



*Pembroke
State
University*

Pembroke State University is a member of or is accredited by:

The Southern Association of Colleges and Schools
The North Carolina Association of Colleges and Universities
The National Council for Accreditation of Teacher Education
The National Association of Schools of Music
The American Association of Colleges for Teacher Education
The American Council on Education
The North Carolina State Board of Education
The Association for Field Services in Teacher Education
The Association of American Colleges
The American Association of State Colleges and Universities

This catalog provides the basic information you will need about Pembroke State University. It includes our history and current goals, admissions standards and requirements, tuition and other costs, sources of financial aid, and the rules and regulations that govern student life at Pembroke State University. This catalog also describes our student organizations and other activities on the campus, lists courses and programs by department, and contains the name, rank, and educational background of each faculty member.

Pembroke State University is committed to equality of educational opportunity and does not discriminate against applicants, students, or employees based on color, national origin, religion, sex, age, or handicap. Moreover, Pembroke State University is open to people of all races and actively seeks to promote racial integration by recruiting and enrolling a larger number of black students.

Pembroke State University reserves the right to change without notice any fee, provision, offering, or requirement in this catalog, and to determine whether a student has satisfactorily met the requirements for admission or graduation.

cover photo by Corliss Hayes Britt

PEMBROKE STATE UNIVERSITY



**CATALOG
1982-1983**

WHOM TO CONTACT ABOUT . . .	Telephone (919) 521-4214
Academic Records & Transcripts	Office of Records and Special Programs, Ext. 303
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Test (A.C.T., S.A.T., M.A.T.)	Office of Guidance and Testing, Ext. 202
Veterans Information	Office of Financial Aid, Ext. 339

All communications should be directed to the proper University office and addressed to:

Pembroke State University
Pembroke, North Carolina 28372

PEMBROKE STATE UNIVERSITY

Academic Programs Offered and Degrees Conferred

Art, B.A.	History, B.A.
Art Education, B.S.	Social Studies Education, B.A.
Biology, B.S.	Mathematics, B.S.
Medical Technology, B.S.	Computer Science, B.S.
Biology Education, B.S.	Mathematics Education, B.S.
Business Administration	Music, B.A.
Accounting, B.S.	Music Education
Management, B.S.	Instrumental, B.S.
Office Management, B.S.	Vocal, B.S.
Business Education, B.S.	Philosophy and Religion
Business, Applied Science, B.S.	Philosophy, B.A.
Chemistry, B.S.	Religion, B.A.
Communicative Arts	Political Science, B.A.
Dramatic Literature & Performance, B.A.	Pre-Law, B.A.
Language and Literature, B.A.	Public Administration, B.A.
Contracted Major, B.A.	Psychology, B.S.
English Education, B.A.	Reading Education, B.S.
Economics, B.A.	Social Work, B.S.
Educational Administration and	School Social Work, B.S.
Supervision, M.A.Ed.	Sociology, B.A.
Elementary Education	Criminal Justice, B.A.
Early Childhood, B.S., M.A.Ed.	Special Education
Intermediate, B.S., M.A.Ed.	Learning Disabilities, B.S.
Health and Physical Education, B.S.	Mental Retardation, B.S.
Health and Physical Education,	
Education, B.S.	
Recreation Management/Administration, B.S.	

Academic Minors Offered

American Indian Studies	Mathematics	Public Relations
Art	Medical Sociology	Communication
Athletic Coaching	Music	Recreation
Computer Science	Personnel and Organiza-	Religion
Criminology	tional Leadership	Sacred Music
English Language	Philosophy and Religion	Social Work
French	Philosophy	Sociology
Geography	Physical Education	Spanish
History	Planning and Community	Speech
Jazz Studies	Development	Theater
Journalism	Political Science	World Studies
Legal Studies	Psychology	Writing
Literature	Public Administration	

Other Academic Offerings

Aerospace Studies—Air Force ROTC	Chancellor's Scholars Program
Military Science—Army ROTC	

SUMMARY OF MINIMUM BASIC STUDIES REQUIREMENTS*

A. **Basic Skills** (6 hours)

CMA 105, 106

B. **Humanities** (18 hours)

1. Fine Arts (3 hours) Choice of one: ART 205, CMA 250, MUS 230, 295
2. Literature (3 hours) Choice of one: CMA 205, 206
3. History (3 hours) Choice of one: HST 126, 127, 201, 210 (AIS 210)
4. Philosophy/Religion (3 hours) Choice of one: PHI 100, 101; REL 130
5. Humanities Electives (6 hours)

Choice of two courses, to be chosen from two areas below. A student may elect six hours of foreign language. (Chancellor's Scholars may elect six hours from Area 5.

Area 1. Fine Arts: ART 101, 205; CMA 250; MUS 113, 209, 230

Area 2. Communicative Arts: CMA 100, 101, 204, 205, 206, 207, 217, 218, 220 (AIS 220), CMA 222, 223; FRH 131, 132, 231, 232; SPN 131, 132, 231, 232

Area 3. History: HST 126, 127, 201, 210 (AIS 210)

Area 4. Philosophy/Religion: PHI 100, 101, 201, 202, 204, 205, 211; REL 105, 106, 130, 209, 213 (AIS 213), REL 216, 218

Area 5. (Chancellor's Scholars only.) CSP 200, 201

C. **Social Science** (12 hours)

Choice of four out of five disciplines, with 3 hours in each of the four.

Economics Discipline: ECN 201

Geography Discipline: GGY 101, 200, 202, 206 (ECN 206)

Political Science Discipline: PLS 100, 101

Psychology Discipline: PSY 101, 150

Sociology Discipline: SOC 101, 103, 201, 202

Chancellor's Scholars may substitute CSP 100 and 275 for any two disciplines.

D. **Natural Science and Mathematics** (12 hours)

Category 1. Biology — Choice of one BIO 100, 105

Category 2. Physical Science — Choice of one: CHM 100, PHS 100, 101, 105; PHY 100, 150, 200

Category 3. Mathematics — Choice of one: MAT 101, 105, 107, 108, 109, 221

Category 4. NatSci/Math Elective — Choice of one from Categories 2 and 3 **or** from the following: BIO 101, 102, 201, 207, 210; CHM 101, 109; CSC 200, 201, 210; GLY 100, 115, 156; MAT 102, 109, 118, 210, 221, 222; PHS 115, 116; PHY 101, 115, 151, 201. (Chancellor's Scholars only: CSP 250.)

E. **Physical Education** (2 hours) Select from PED 131, 132, 133, 134, 135, 137, 138, 139, 140, 141, 142, 144, 145, 146, 149, 170, 171, 172, 173, 174

Note: No more than two of the following courses — AIS 201, 210 (HST 210), AIS 213 (REL 213), AIS 220 (CMA 220) — shall apply to requirements.

* See page 59 for complete description of Minimum Basic Studies Requirements.

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PEMBROKE STATE UNIVERSITY

CALENDAR—1982-83

First Semester

August 22	Sunday, 1:00 P.M.—Dormitories Open for Freshmen
August 23-24	Monday-Tuesday—Freshmen Orientation Program
August 24	Tuesday, 8:00 A.M.—Dormitories Open for Upperclassmen
August 24	Tuesday, 6:00-7:00 P.M.—Evening Registration
August 25	Wednesday, 8:00 A.M.—Registration
August 26	Thursday, 8:00 A.M.—Classes Begin
August 26	Thursday, 6:00 P.M.—Graduate Registration and First Class
August 27	Friday—Drop-Add Begins
September 3	Friday, 5:00 P.M.—Last Day to Add a Class
September 6	Monday, Labor Day—Holiday
October 8	Friday, End of First Six Weeks and Last Day to Drop a Course with a "W" Grade
October 21-22	Thursday-Friday—Mid-Semester Break
October 22	Friday, Mid-Point of the Semester
November 8-12	Monday-Friday—Student Advisement
November 15	Monday—Preregistration for Spring Semester
November 24	Wednesday, 10:05 P.M.—Thanksgiving Holidays Begin
November 29	Monday, 8:00 A.M.—Classes Resume
December 10	Friday, 10:05 P.M.—Classes End
December 13-17	Monday-Friday—Final Examinations
December 17	Friday, 5:00 P.M.—All Dormitories Close

Second Semester

January 4	Tuesday, 8:00 A.M.—All Dormitories Open
January 4	Tuesday, 6:00-7:00 P.M.—Evening Registration
January 5	Wednesday, 8:00 A.M.—Registration
January 6	Thursday, 8:00 A.M.—Classes Begin
January 6	Thursday, 6:00 P.M.—Graduate Registration and First Class
January 7	Friday—Drop-Add Begins
January 14	Friday, 5:00 P.M.—Last Day to Add a Class
February 18	Friday—End of First Six Weeks and Last Day to Drop a Class with a "W" Grade
March 4	Friday—Mid-Point of the Semester
March 4	Friday, 10:05 P.M.—Spring Vacation Begins
March 4	Friday, 5:00 P.M.—All Dormitories Close
March 13	Sunday, 1:00 P.M.—All Dormitories Open
March 14	Monday, 8:00 A.M.—Classes Resume
March 31	Thursday, 10:05 P.M.—Easter Holidays Begin
April 5	Tuesday, 8:00 A.M.—Classes Resume
April 18-22	Monday-Friday—Student Advisement
April 27	Wednesday, 10:05 P.M.—Classes End

April 28-May 4 Thursday-Wednesday—Final Examinations
 May 5 Thursday, 5:00 P.M.—All Dormitories Close
 May 7 Saturday—Commencement

SUMMER SESSION—1983

First Term

May 29 Sunday, 1:00 P.M.—All Dormitories Open
 May 30 Monday, 8:00 A.M.-12:00 Noon—Registration
 May 30 Monday, 1:00 P.M.—Classes Begin
 May 30 Monday, 6:00 P.M.—Evening Registration
 May 31 Tuesday—Late Registration Fee and Change of Course Fee Applies
 May 31 Tuesday—Last Day to Register for Course Credit
 June 7 Tuesday—Last Day to Drop a Course with a “W” Grade
 June 13 Monday, 8:00 A.M.—Intra-Session Begins
 June 13 Monday, 6:00 P.M.—Graduate Registration and First Class
 July 1 Friday—End of First Term of Summer School

Second Term

July 5 Tuesday, 1:00 P.M.—All Dormitories Open
 July 6 Wednesday, 8:00 A.M.-12:00 Noon—Registration
 July 6 Wednesday, 1:00 P.M.—Classes Begin
 July 6 Wednesday, 6:00 P.M.—Evening Registration
 July 6 Wednesday, 6:00 P.M.—Graduate Registration and First Class
 July 7 Thursday—Late Registration Fee and Change of Course Fee Applies
 July 7 Thursday—Last Day to Register for Course Credit
 July 15 Friday—Last Day to Drop a Course with a “W” Grade
 August 9 Tuesday—End of Second Term of Summer School
 August 9 Tuesday, 5:00 P.M.—All Dormitories Close



PEMBROKE STATE UNIVERSITY

PEMBROKE, NORTH CAROLINA 28372



OFFICE OF THE CHANCELLOR

Dear Students and Parents,

Thank you for your interest in Pembroke State University. All of us at the University are extremely proud of the institution and we are anxious to share this enthusiasm with you. It is a pleasure to welcome you and others to the University.

This catalog is designed to be a concise and accurate description of Pembroke State University. We hope that it answers any questions you may have about the institution.

Pembroke State University is a unique institution in that it opened its doors in 1887 as a normal school for Indians in Robeson County. It developed through several stages and was granted university status in 1969. Today it has a student body composed of approximately 66 percent whites, 23 percent Indians and 11 percent blacks.

As these students interact on campus, there are feelings of mutual respect and trust. This campus has indeed become a model for inter-racial living. This is a campus feature of which we are extremely proud.

The personalized teacher-student relationships at Pembroke State make it possible to offer excellent academic programs. Extremely able faculty members, two-thirds of whom hold doctoral degrees--are available to assist students inside and outside the classroom. They are dedicated to the job of teaching and working with the individual student. Our professors really care about students!

In addition to the University's fine undergraduate offerings, graduate programs are available in Elementary Education and in Educational Administration and Supervision. This is a growing dimension of the University.

Opportunities for growth at Pembroke State University extend beyond the classroom. We hope that every young person who comes to Pembroke State University fully takes advantage of all of our resources.

Please come to see us at any time. Our office is open to all.

Very sincerely,

Dr. Paul R. Givens
Chancellor





I. Organization

The University of North Carolina

Pembroke State University

Trustees

Administration

**BOARD OF GOVERNORS
THE UNIVERSITY OF NORTH CAROLINA**

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MRS. HUGH MORTON, Vice Chairman
LOUIS T. RANDOLPH, Secretary

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T. WORTH COLTRANE, Asheboro
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JACK O'KELLEY, Burlington
MRS. HUGH MORTON, Linville
DAVID J. WHICHARD, II, Greenville

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WAYNE CORPENING, Winston-Salem
DANIEL C. GUNTER, Gastonia
MRS. HOWARD HOLDERNESS, Greensboro
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J. AARON PREVOST, Hazelwood
LOUIS T. RANDOLPH, Washington
HARLEY SHUFORD, JR., Hickory

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JOHN EDWIN DAVENPORT, Nashville
CHARLES Z. FLACK, JR., Forest City
JAMES E. HOLMES, Winston-Salem
MRS. JOHN F. McNAIR, III, Winston-Salem
REGINALD F. McCOY, Laurinburg
MACEO A. SLOAN, Durham

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JACOB H. FROELICK, JR., High Point
JAMES E. HOLSHOUSER, JR., Southern Pines
WILLIAM A. JOHNSON, Lillington
ROBERT L. JONES, Raleigh
E. B. TURNER, Lumberton
VACANCY

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 WALTER R. DAVIS, Midland, TX
 R. PHILLIP HAIRE, Sylva
 MRS. HUGH MORTON, Linville
 ASA T. SPAULDING, JR., Durham
 DAVID J. WHICHARD, II, Greenville
 WILLIAM K. WOLTZ, Mount Airy

THE UNIVERSITY OF NORTH CAROLINA**Sixteen Constituent Institutions**

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 ROY CARROLL, B.A., M.A., Ph.D.—Vice President-Planning
 RAYMOND H. DAWSON, B.A., M.A., Ph.D.—Vice President-Academic Affairs
 EDGAR WALTON JONES, B.S., M.S., Ph.D.—Vice President-Research and
 Public Service
 J. FELIX JOYNER, A.B.—Vice President-Finance
 CLEON F. THOMPSON, JR., B.S., M.S., Ph.D.—Vice President-Student Services
 and Special Programs
 JOHN P. KENNEDY, JR., S.B., B.A., M.A., J.D.—Secretary of the University
 GEORGE E. BAIR, B.A., M.A., Ph.D.—Assistant to the President for University
 Telecommunications
 HUGH S. BUCHANAN, JR., B.A.—Associate Vice President-Finance
 JOHN F. COREY, B.S., M.A., Ed.D.—Associate Vice President-Student Services
 and Special Programs
 JOHN W. DUNLOP, B.A.—Director, The University of North Carolina Center
 for Public Television
 KENNIS R. GROGAN, B.S., M.B.A.—Associate Vice President-Finance
 JAMES L. JENKINS, JR., A.B.—Assistant to the President
 ARNOLD K. KING, A.B., A.M., Ph.D.—Assistant to the President
 R. D. McMILLAN, JR., B.S.—Assistant to the President for Governmental Affairs
 RICHARD H. ROBINSON, JR., A.B., LL.B.—Assistant to the President
 DONALD J. STEDMAN, B.A., M.A., Ph.D.—Associate Vice President-Academic
 Affairs
 ROBERT W. WILLIAMS, JR., A.B., M.A., Ph.D.—Associate Vice President-
 Academic Affairs

HISTORY OF THE UNIVERSITY

The University of North Carolina is comprised of all the public institutions of higher education in North Carolina that confer degrees at the baccalaureate level or higher. The University was authorized by the State Constitution in 1776, and it was chartered in 1789 by the General Assembly.

The University of North Carolina opened its doors to students at Chapel Hill in 1795. Thereafter, beginning in the latter part of the nineteenth century, the General Assembly of North Carolina has established and supported fifteen other public senior institutions in keeping with Article IX, Section 8, of the Constitution of North Carolina which provides that the "General Assembly shall maintain a public system of higher education, comprising The University of North Carolina and such other institutions of higher education as the General Assembly may deem wise."

By 1969, The University of North Carolina included six constituent institutions, governed by a single Board of Trustees. This multi-campus University had its beginnings in legislation enacted in 1931 that defined The University of North Carolina to include The University of North Carolina at Chapel Hill, North Carolina State University at Raleigh, and The University of North Carolina at Greensboro. In the 1960s three additional campuses were added: The University of North Carolina at Charlotte, The University of North Carolina at Asheville, and The University of North Carolina at Wilmington.

Beginning in 1877, the General Assembly of North Carolina established or acquired ten additional separately governed state-supported senior institutions of higher education. They are: Appalachian State University, East Carolina University, Elizabeth City State University, Fayetteville State University, North Carolina Agricultural and Technical State University, North Carolina Central University, North Carolina School of the Arts, Pembroke State University, Western Carolina University, and Winston-Salem State University. Then, in 1971, the General Assembly redefined The University of North Carolina, and under the terms of that legislation, all sixteen public senior institutions became constituent institutions of The University of North Carolina.

The constitutionally authorized Board of Trustees of the six-campus University of North Carolina was designated the Board of Governors and this body is by law The University of North Carolina. The Board of Governors consists of thirty-two members elected by the General Assembly, and it is charged with "the general determination, control, supervision, management, and governance of all affairs of the constituent institutions." The chief executive officer of The University is the President.

Each constituent institution of The University has its own faculty and student body. The chief administrative officer of each institution is the chancellor, and the chancellors are responsible to the President.

Each constituent institution also has a board of trustees composed of thirteen members: eight elected by the Board of Governors, four appointed by the Governor, and the elected president of the student body *ex officio*. (The School of the Arts has two additional *ex officio* trustees.) The principal powers of these institutional boards are exercised under a delegation of authority from the Board of Governors.

PEMBROKE STATE UNIVERSITY
BOARD OF TRUSTEES

	Address	Term Expires
GIBSON, M. CARR	Lumberton, N.C.	1985
HAMMONDS, ALBERT	Lumberton, N.C.	1985
HAMMONDS, JAMES H.	Lumberton, N.C.	1983
LOWRY, BURLIN, Chairman	Cary, N.C.	1985
LOWRY, IRA PATE	Pembroke, N.C.	1985
MARKS, LEROY	Laurinburg, N.C.	1983
OXENDINE, GRADY G.	Pembroke, N.C.	1983
OXENDINE, JESSE E.	Charlotte, N.C.	1983
PARNELL, MRS. HORACE	Parkton, N.C.	1985
ROBINSON, ARTHUR, M.D.	Lumberton, N.C.	1985
ROBINSON, SANKEY W.	Lumberton, N.C.	1983
THOMAS, WILLIE C.	Laurinburg, N.C.	1983
YANDLE, DAVID F.	Pembroke, N.C.	Ex Officio Member

OFFICERS AND ADMINISTRATION

CHANCELLOR

PAUL R. GIVENS, B.A., M.A., Ph.D.

OFFICE OF THE CHANCELLOR

LEON RAND, B.S., M.A., Ph.D.	Vice Chancellor for Academic Affairs
JAMES B. CHAVIS, B.S., M.A.Ed., Ed.D.	Vice Chancellor for Student Affairs
WILLIAM S. MASON, JR., B.S.	Vice Chancellor for Business Affairs
RICHARD C. PISANO, B.S., M.Ed., Ed.D.	Dean of Academic Administration and Director, Office for Institutional Advancement
TERRY R. HUTCHINS, B.A., J.D.	Assistant to the Chancellor
GALVIN FLOYD, B.S., M.A.	Director of Title III
LACEY E. GANE, B.A., Ed.M.	Director of Athletics
GENE WARREN, B.A.	Director of Public Information

OFFICE FOR ACADEMIC AFFAIRS

LEON RAND, B.S., MA., Ph.D.	Vice Chancellor for Academic Affairs
CHARLES R. JENKINS, B.S., M.A.E., Ed.D.	Academic Dean
NORMA J. THOMPSON, B.S., M.A., Ph.D.	Dean of Records and Special Programs
W. HOWARD DEAN, B.S., M.A., Ed.D.	Director of Graduate Studies
SYLVESTER W. WOOTEN, B.S., M.S., Ed.D.	Director of Continuing Education

ROBERT C. HERSCH, B.A., M.A., Ph.D., M.L.S.	Director of Library Services
DALTON P. BROOKS, B.A., M.A., Ph.D.	Director of Institutional Research
MARY P. BOYLES, A.B., M.A., Ph.D.	Director of Developmental Learning Programs
JOYCE S. SINGLETARY, B.S., M.A.	Registrar
WARREN BAKER, B.S., M.A.E.	Director of Admissions
ANTHONY LOCKLEAR, B.S.	Admissions Counselor
JOHN CARTER, B.S.	Admissions Counselor
LILLIAN ROGERS, B.S.	Admissions Counselor
JO ANN PEARSON, A.S., B.S.	Computer Center Manager
TOMMY D. SWETT, B.S., M.A.Ed	Director of Special Services
JOSEF L. MANDEL, B.A., M.A., Ph.D.	Coordinator of Advisement and Retention

DEPARTMENT CHAIRMEN

ADOLPH L. DIAL, B.A., Ed.M., C.A.G.S.	American Indian Studies
PAUL VAN ZANDT, B.F.A., M.F.A.	Art
ROBERT F. BRITT, B.A., M.A., Ph.D.	Biology
MICHAEL B. O'BRIEN (Acting) B.S.,	Business Administration and Economics
THOMAS J. LEACH, B.S., M.A., Ph.D.	Communicative Arts
GERALD D. MAYNOR, B.A., M.A., Ed.D.	Education
THOMAS E. ROSS, B.A., M.S., Ph.D.	Geology and Geography
RAYMOND B. PENNINGTON, B.S., Ed.M., Ed.D.	Health, Physical Education and Recreation
JOHN CHAY, A.B., M.A., M.A.L.S., Ph.D.	History
CHARLES D. BASS, B.S., B.A., Ph.D.	Mathematics
ROBERT L. ROMINE, B.S., M.A., Ph.D.	Music
ROBERT K. GUSTAFSON, B.A., M.Div., Th.M., Th.D.	Philosophy and Religion
JOHN S. WALLINGFORD, B.Phys., M.Ed., M.S., Ph.D. ..	Physical Science
GIBSON H. GRAY (Acting) B.B.A., M.A., Ph.D.	Political Science
KATHRYN K. RILEIGH, B.A., M.A., Ph.D.	Psychology
FRANK A. SCHMALLEGER, B.B.A., M.A., Ph.D.	Sociology

OFFICE FOR STUDENT AFFAIRS

JAMES B. CHAVIS, B.S., M.A.Ed., Ed.D.	Vice Chancellor for Student Affairs
ALEC PRICE, B.A., M.A.	Dean of Student Affairs
FAYE JONES, B.S., M.A.	Associate Dean of Student Affairs
RAY VON BEATTY, B.S., M.Ed., Ph.D.	Director of Guidance and Testing Center
DIANE O. JONES, B.S., M.S.	Director of Career Planning and Placement

ESTHER D. JACOBS, B.S. *Financial Aid Officer*
ENOCH MORRIS, B.F.A., M.F.A. *Director of Performing Arts Center*
FELICIA W. TURNER, B.S. *Cultural Events Coordinator*
MARTIN L. BROOKS, M.D. *University Physician*
EVA B. SAMPSON, R.N., B.S. *University Nurse*

OFFICE FOR BUSINESS AFFAIRS

WILLIAM S. MASON, JR., B.S. *Vice Chancellor for Business Affairs*
WILLIAM B. BLUE, B.S., M.A. *Director of Accounting*
HORACE BURNETTE *Supt. Buildings and Grounds*
WILBERT CHAVIS *Printing and Duplicating*
BILLY DEES, B.S.C.E., P.E. *University Engineer*
JANE DIAL *Switchboard Supervisor*
CAROLYN LOCKLEAR, A.S. *Payroll Clerk*
KATE LOCKLEAR *Personnel Technician*
LEE E. NEVILLE *Student Union Manager*
JULIAN RANSOM, B.A. *Purchasing Agent*
HERBERT ROBERTS *Central Stores Supervisor*
KATHLEEN WELLS *Cashier*
GORDON WILLIAMS *Director of Food Services*

OFFICE FOR INSTITUTIONAL ADVANCEMENT

RICHARD C. PISANO, B.S., M.Ed., Ed.D. *Dean of Academic
Administration and Director, Office for
Institutional Advancement*
WALTER OXENDINE, B.S., M.A. *Director of Resource
Development and Alumni Activities*
MATTHEW C. MORRISON, B.A., M.A., Ph.D. *Director of Radio and
Television Communications*
A. WARREN LOVE, B.S., M.A. *Acting Director of the Media Center*

UNIVERSITY PUBLIC SAFETY DEPARTMENT

TERRY R. HUTCHINS, A.B., J.D. *Legal Assistant to the Chancellor*
CHARLES BRYANT *Campus Police Chief*

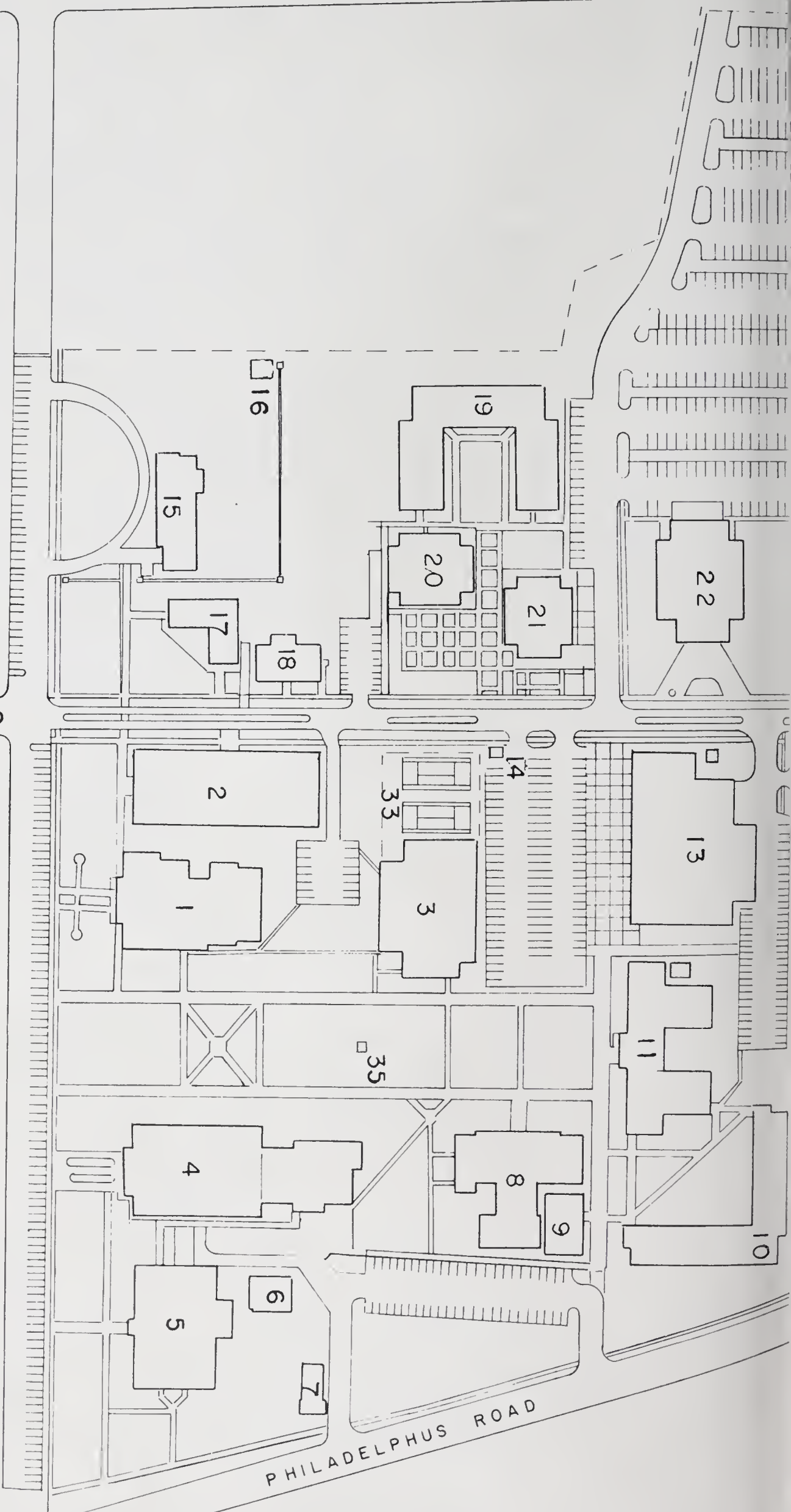


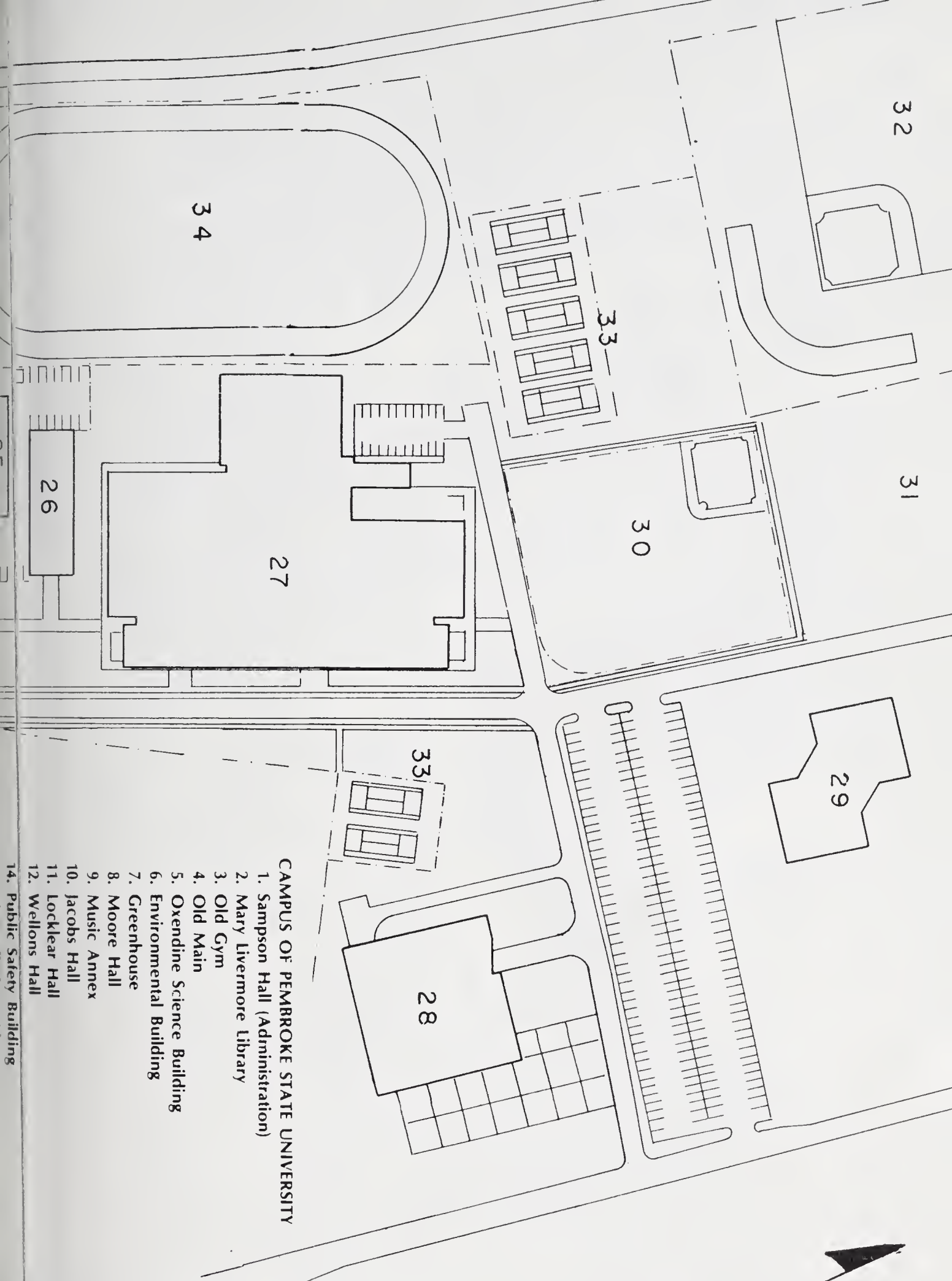


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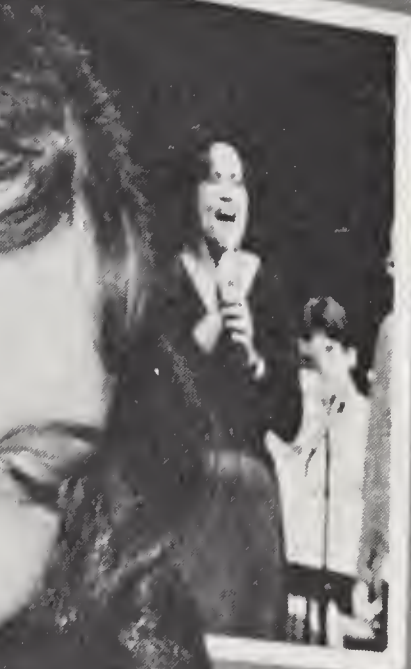




CAMPUS OF PEMBROKE STATE UNIVERSITY

1. Sampson Hall (Administration)
2. Mary Livermore Library
3. Old Gym
4. Old Main
5. Oxendine Science Building
6. Environmental Building
7. Greenhouse
8. Moore Hall
9. Music Annex
10. Jacobs Hall
11. Locklear Hall
12. Wellons Hall
18. Infirmary
19. West Hall
20. Belk Hall
21. North Hall
22. Educational Center
23. Business Administration Building
24. Printing Dept. - Receiving
25. Motor Pool
26. Maintenance Building
27. Jones Health & Physical Education
28. Performing Arts Center
29. Classroom North Building
30. Softball Field
32. Baseball Field

Pembroke State Univer



II. General Information

II. GENERAL INFORMATION

HISTORICAL SKETCH

In 1887 the General Assembly of North Carolina authorized establishment of a normal school for Indians in Robeson County. This legislation, which included an appropriation of only five hundred dollars, required the local Indians to provide a building within two years on pain of having the act repealed if they failed to do so. A four-member board, composed of Robeson County Indians, was named to inaugurate the new school and guide its development.

With money raised by local subscription these trustees purchased an acre of land one mile west of Pembroke and erected thereon a two-story building with lumber and labor donated by residents of the area. W. L. Moore, a leading Indian teacher, became the first principal of the new school which opened in the Fall of 1887 with fifteen pupils. In 1889 the General Assembly increased the appropriation to one thousand dollars, and this level of support was continued for many years. In 1909 the school was moved to its present location, and in 1921 the legislature appropriated seventy-five thousand dollars to build a large, modern structure which was ready for use in 1923. This building, now known as "Old Main," was reconstructed in 1978-79 using its identical brick walls of 1923 and rededicated on February 16, 1980.

Although it had been legally designated a "normal school" from the beginning, the institution did not offer work beyond the elementary level during its early years. After its relocation in 1909, steady growth occurred, secondary and vocational courses were added, and in 1912 the first high school student graduated. Two additional students completed the high school curriculum in 1914, but after that year the program languished and it was not until 1922 that a fourth person achieved high school graduation from the institution. In 1924, when the graduating class included seven members, the school was given a "standard" classification by the State High School Inspector.

Until 1926 only elementary and high school courses were offered, but in that year a normal school program for the preparation of teachers was inaugurated, and the phasing out of the elementary offerings was begun. In June, 1928, the first normal school class was graduated, and the State Board of Education recognized the institution as a "Standard Normal School."

During these years the name of the institution underwent successive changes. First called the Croatan Normal School, it was in 1911 rechristened the Indian Normal School of Robeson County. In 1928 the last of the elementary program was eliminated from the curriculum and only high school and normal school programs were continued. In the early 1930s, college classes were initiated, and by 1938, three full years of college work were available. The high school and college branches were separated in 1939 when a

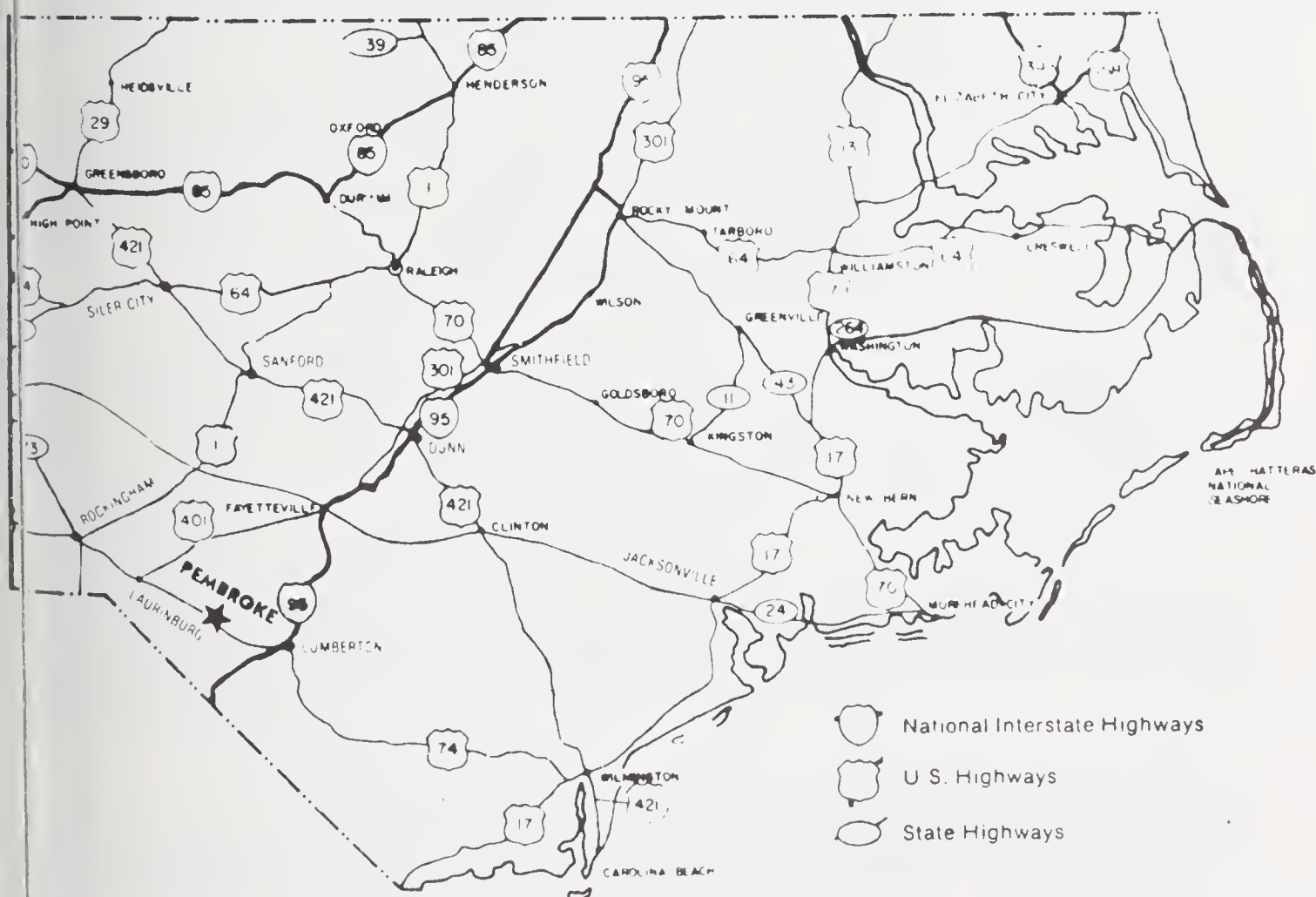
fourth year of college work was added, and in June, 1940, the first college degrees were conferred. In keeping with these changes, the Legislature in 1941 renamed the school Pembroke State College for Indians, and in 1949 shortened the name to Pembroke State College.

Until 1945 only Robeson County Indians were eligible for admission to Pembroke, but in that year the legislature authorized admission of Indians other than those who resided in Robeson County. In 1954, admission was opened to all qualified applicants without regard to race or national origin.

The General Assembly of North Carolina granted regional university status to the institution on July 1, 1969, changing the name to Pembroke State University.

LOCATION

Pembroke State University occupies 25 acres located along the western edge of the town of Pembroke in Robeson County, North Carolina. It is easily accessible by automobile, being only ten miles from Interstate 95 and two miles from U.S. 74. Commercial air line service is available at the Fayetteville Municipal Airport, Grannis Field, which is approximately 30 miles from the campus.



MISSION OF THE UNIVERSITY

(Endorsed by the Faculty Senate, March 4, 1981)

Pembroke State University, a constituent institution of The University of North Carolina, is committed to the goals of The University. As a center for education and service, Pembroke State University also encourages research and promotes the educational, cultural, and economic development of the region and state. To fulfill its philosophy that education is a lifelong experience, the University provides responsive programs to meet the changing education needs of the University community, region, and state. Pembroke State University's ability to meet public needs for higher education is exhibited in the unique historical evolution of the institution and its mission.

The University has undergone a series of changes since 1887 when the State of North Carolina established the institution as a normal school for the Indians in Robeson County. No education was offered beyond the elementary level during the early years, and it was 1912 before the first high school class graduated. In 1926 it was determined that the school should begin to fulfill the purpose of teacher preparation and phase out the elementary offerings. A regular two-year normal school program was added, and the first normal school class graduated in 1928. College classes were initiated in the following sequence: three years of college work were offered in 1938, the fourth year of college work was added in 1939; the first college degrees were conferred in 1940; and the name was changed to Pembroke State College for Indians in 1941 and shortened to Pembroke State College in 1949.

Regional university status was granted in 1969, and Pembroke State University became a constituent institution of The University of North Carolina in 1972. A graduate program in education was established in 1978. Thus, Pembroke State University has had a unique and significant historical development and is proud of its heritage.

Pembroke State University has long functioned as a multiracial institution without forgetting its Indian heritage, and has a unique multiracial student body with substantial enrollment of white, American Indian, and black as well as Asian and Hispanic students.

To ensure continued adaptation to the changing needs of the University community, Pembroke State University strives to keep abreast of opportunities and issues present in the region and state. In order to maintain its role as a valuable state and regional resource, the University is committed to the following:

Intellectual goals:

1. To encourage the development of an intellectually stimulating campus environment;
2. To provide an education which is for living as well as for making a living;
3. To teach students methods of learning, as well as to transmit knowledge;

4. To develop in students creativity, problem-solving ability, and critical thinking;
5. To encourage development of effective oral and written expression;
6. To maintain and strengthen the general education program;
7. To develop, strengthen, modify, and refine all major and minor academic programs;
8. To develop, strengthen, modify, and refine both credit and non-credit academic programs for adults and nontraditional learners.

Career-preparation goals:

1. To continue and initiate a variety of academic programs that provide skills presently marketable and that show promise of marketability in the future;
2. To develop for students a more comprehensive career counseling and job placement system that will provide services throughout their college career.

Personal development goals:

1. To promote emotional and physical development of members of the entire University community;
2. To provide and encourage intellectual and cultural enrichment.

Public service goals:

1. To provide higher educational opportunities, particularly for the southeastern and southcentral portions of North Carolina, keeping in mind the history, culture, and economic needs of the region;
2. To create a University climate conducive to research, particularly research related to regional problems and to give these findings the broadest possible exposure;
3. To develop and promote leadership qualities.

BUILDINGS AND GROUNDS

The Old Gymnasium completed in 1940, contains Student Government offices and Campus Ministry.

Sampson Hall completed in 1949, houses the university administration offices. It was named for Oscar R. Sampson, a long-time chairman of the University Board of Trustees.

Locklear Hall opened in 1950 and named for Anderson Locklear, a leading educator of Robeson County, houses the offices, classrooms and studios of the Art department.

Moore Hall, dating from 1951, contains a 216-seat auditorium, classrooms, offices, and studios used by the Music department. This building was named for Reverend W.L. Moore, the first teacher of the Indian Normal School at Pembroke.

The Chancellor's Residence, completed in 1952, was completely renovated and enlarged in 1976. It is located on the western side of the campus.

The Admissions Office, opened in 1965, also houses the Office of Continuing Education and Summer Session.

The D. F. Lowry Student Center, first completed in 1965, and with the additions completed in 1972, contains the mailroom, student supply store, snack bar and soda fountain, and lounge and recreational areas. The center was named for Reverend D. F. Lowry, the first person to graduate from the Indian Normal School.

Jacobs Hall, dating from 1961, is a men's dormitory which has a capacity of 134 students. This dormitory was named for Reverend L. W. Jacobs who served as chairman of the Board of Trustees for thirty years.

Wellons Hall, opened in 1965, is a men's dormitory with a capacity of 100 students. This structure was named for Dr. Ralph D. Wellons who served as President of the University from 1942 through 1956.

West Hall, opened in 1965, is a men's dormitory which offers accommodations to 200 students.

The Music Annex, attached to Moore Hall in 1965, contains facilities for the university band and chorus, as well as practice rooms.

The University Cafeteria (built in 1959, enlarged in 1966, and renovated in 1980) is now capable of seating 300 persons in the main dining room, and 24 in a smaller room intended for use by private groups, conferences, etc.

The University Infirmary, opened in the spring of 1967, contains examination and treatment rooms, offices for the University Nurse and Physician, and 22 beds for treatment of inpatients.

The Mary Livermore Library was completed in 1967, and currently houses 186,000 volumes and nearly 1000 periodical subscriptions. It is a partial depository for U.S. government documents, and offers students such services as instruction in library use, data base searching, reference help for term papers, and recreational reading. The library also houses the Computer Center and provides offices and classrooms for Special Programs.

The Herbert G. Oxendine Science Building, completed in 1967, affords classrooms, laboratories, and offices for the Biology, Physical Science, and Mathematics departments.

The Business Administration Building, completed in 1969, affords classrooms and offices for the Business Administration and Economics, Sociology, Geology and Geography departments and the College Opportunity Program.

The Environmental Building, completed in 1969, a one-story brick structure located behind the Science Building, is used for animal laboratory experiments.

The Maintenance Buildings are located on the northwest corner of the campus. They contain shops, offices, and garage facilities for university vehicles.

The Central Receiving Warehouse is located beside the Maintenance Buildings. All deliveries of supplies and materials are received there.

Mary Irwin Belk Hall, completed in 1970, is a women's dormitory which offers accommodations to 200 students.

North Hall, completed in 1972, is a women's dormitory which offers accommodations to 200 students.

The English E. Jones Health and Physical Education Center, completed in the spring of 1972, has two gymnasiums, a natatorium which includes a six-lane swimming pool and diving tank, faculty offices, classrooms, a physiology laboratory, and a small lecture hall which seats 120. Training areas and dressing rooms are provided for instruction and intercollegiate athletics.

The Performing Arts Center, completed in 1975, houses the dramatic arts and provides an ultramodern amphitheater type auditorium which will accommodate any performing arts production and which will comfortably seat an audience of seventeen hundred.

Educational Center, completed in 1976, contains classrooms, offices and curriculum, and reading laboratories for the departments of Education, Psychology, and Philosophy and Religion.

The Old Main Building was originally constructed in 1923, destroyed by fire in 1973 and restored in 1979. It houses the Native American Resource Center and Media Center on the first floor. The second floor provides classroom and office space for the American Indian Studies program, Public Information, Institutional Research, Guidance and Testing, Placement, Office for Institutional Advancement and offices for "Strike at the Wind".

The Classroom North Building, completed in 1980, is located on the north side of campus and provides classroom and office space for the departments of Communicative Arts, History, and Political Science.



III. The Admissions Process

ADMISSIONS

Students are admitted to the University through the Admissions Office which reserves the right to make decisions on any application for admission or readmission based on the individual merits of that application. No single criterion will be decisive in the admission decision, but each pertinent item will be considered in relation to the applicant's total qualifications.

Students may enter at the beginning of any semester or summer term. Applicants for the Fall Semester are encouraged to apply early in the year prior to their intended enrollment. Applicants for admission to the Spring Semester should apply by December 15.

Requests for application forms should be addressed to the Director of Admissions. Completed forms and all supporting documents (high school transcripts, test scores, college transcripts) with a non-refundable \$15.00 application fee should be forwarded to the Admissions Office.

All new students and readmitted students who have been out of Pembroke State University for one year are required to complete a medical history form before registering for classes. Forms may be obtained from the Admissions Office and should be returned to the University Infirmary at least 30 days prior to registering for classes.

FRESHMEN ADMISSIONS

Applicants for the freshman class should be graduates of an approved or accredited high school. Non-graduates must possess a high school equivalency certificate and present evidence of maturity and the potential to achieve success in the college environment.

High school transcripts and SAT or ACT scores must be received prior to a determination of the applicant's admissions status. A predicted grade point average is computed on the basis of the high school class rank and the SAT or ACT scores for each applicant. The Admissions Policy requires one of three possible decisions for each applicant:

1. Applicants who have a satisfactory high school record and SAT or ACT test scores, and meet the minimum predictive grade point average will immediately be accepted for admission.
2. Applicants whose records and test scores do not meet the minimum requirements will be denied admission.
3. Applicants whose records and/or test scores are above the minimum standard for admission but are not sufficiently high to warrant unconditional admission will be offered admission to the University's summer College Opportunity Program. (A detailed description of this program is on page 40.)

TRANSFER ADMISSION

Transfer applicants should submit all transcripts of previous college work. Applicants should have a "C" or better average on all college work attempted with a minimum 2.0 grade point average and be eligible to return to the last institution regularly attended.

Transfer credit will be only allowed for courses taken at institutions that have been accredited by a regional accrediting body.

The classification of transfer students (freshmen, sophomore, junior, or senior) is determined by the number of transfer credit hours accepted by Pembroke State University. The maximum transfer credit accepted from a two-year institution is 60 semester hours, and no student who has attained junior status will be allowed to transfer credit for any college work completed after that time in a two-year institution. Although there is no limit in credit hours accepted from a four-year institution, a 30-hour residency is required to graduate from Pembroke State University.

All transfer students are required to complete the Basic Studies requirements or a minimum of 50 semester hours of course work equivalent to those required in Basic Studies.

READMISSION

A student who has interrupted his/her course of study for at least one semester must apply for readmission through the Admissions Office. Transcripts of any academic work completed in the interim at any other institution must be provided prior to approval for readmission. A student who left the University as a result of an academic deficiency should review the policy on page 47.

FOREIGN STUDENTS

Applicants from non-English speaking countries must present evidence of proficiency in the English language in the form of a Test of English as a Foreign Language (TOEFL) scores of at least 500. A report of the TOEFL score should be submitted at the time of application for admission. No acceptance or *Form I-20* will be made until receipt of this score.

GRADUATE ADMISSIONS

Inquiries concerning the graduate studies admissions should be directed to The Director of Graduate Studies. Admissions requirements are stated in the Graduate Studies Section. See page 260.

BACHELOR OF SCIENCE IN APPLIED SCIENCE PROGRAM

Students who hold an Associate in Applied Science Degree from a community college or technical institute in Business Administration are eligible for admission to this program. The program has three major components; (1) the Associate in Applied Science Degree, (2) a core curriculum, and (3) an individualized program of study consisting of 60 semester hours at Pembroke State University leading to the Bachelor of Science in Applied Science Degree within two years or less. The Associate in Applied Science Degree is required for admission to the program and would constitute the first two years of work toward the Bachelor of Science in Applied Science Degree. The core curriculum is based on the Basic Studies Program required of all Pembroke State University graduates and is designed for each student in terms of his prior experience and achievement. The individualized program of study beyond the core curriculum is based on the student's associate in applied science degree program and is designed to: (1) give the student additional depth in his applied science and related study areas, (2) provide him with the opportunity to explore other study areas, and (3) assist him in the realization of his capacities, interests and desires.

DEGREE COMPLETION PROGRAM FOR MILITARY PERSONNEL

Pembroke State University provides educational programs for veterans, active military personnel, and retired military personnel who wish to continue their career development in higher education and to complete an educational program leading to a college degree.

In recognition of the educational experience gained by military personnel in their regular training, in service school courses, in USAFI or DANTES courses, and through the College Level Examination Program (CLEP), Pembroke State University will accept in transfer credit toward a Bachelor of Arts or Bachelor of Science degree.

1. Men or women who have served two or more years in the armed services will be awarded four semester hours credit for each two years of service, up to 12 semester hours of credit, as elective credit.
2. Credit may be awarded for service school courses comparable to those offered by Pembroke State University. The amount of credit granted will be according to the recommendations of the American Council on Education as listed in the most recent edition of *A Guide to the Evaluation of Educational Experiences in the Armed Services*.
3. Credit may be granted for work completed with an acceptable rating in USAFI courses that are parallel to courses offered at Pembroke State University provided a transcript of the work is sent directly to the Director of Admissions.
4. Credit may be earned through the College Level Examination Program (CLEP).

In addition to the special provisions for granting credit to military personnel for their educational experience the University will accept in transfer credit toward a Bachelor's degree:

1. all work completed in residence at accredited senior institutions of higher education provided the student has an *overall cumulative quality point average* of 2.0.
2. up to 60 semester hours of work completed in a two-year college provided the student has an *overall cumulative quality point average* of 2.0.
3. up to 24 semester hours of work completed through correspondence and/or extension (with no more than 12 semester hours by correspondence) courses. Work completed in courses offered by Pembroke State University's Continuing Education Division at cooperating technical institutes is not counted as extension work.

COLLEGE LEVEL EXAMINATION PROGRAM

Incoming freshmen may earn up to thirty semester hours of Basic Studies credit through the College Level Examination Program (CLEP) in accordance with the following schedule.

CLEP General Examination	Basic Studies Credit
1. English Composition	Three semester hours credit for CMA 105: Composition I; and three semester hours credit for CMA 106: Composition II.
2. Humanities	Three semester hours credit for Art 205: History and Appreciation of Art; and three semester hours credit for Music 230: Introduction to Music Appreciation.
3. Mathematics	Three semester hours credit for Mathematics 105: Introduction to College Mathematics; and three semester hours credit for Mathematics 107: College Algebra.
4. Natural Sciences	Three semester hours credit for Biology 100: Principles of Biology; and three semester hours credit for Physical Science 100: Development of Physical Thought.
5. Social Sciences—History	Three semester hours credit for History 126: Introduction to Early European Civilization; and three semester hours credit for History 127: Modern European Civilization.

A Departmental Test may also have to be passed.

SPECIAL STUDENTS

Persons who wish to enroll for university classes in a Fall or Spring Semester and carry 6 semester hours or less without entering a degree program or working for teacher certification, may be admitted to the University as special

students. A special student may not later become a degree candidate unless he has been admitted to the University as a regular student. Those who wish to enter Pembroke State University as special students may obtain information and the necessary application forms from the Office of Admissions. Special students who enroll for 6 hours or less pay only tuition, registration, and general fees.

PART-TIME STUDENTS

A part-time student is a student who is regularly admitted to Pembroke State University and is registered for less than 12 semester hours of course work in a Fall or Spring Semester.

Students in a part-time status taking seven or more semester hours are charged all fees; however, the tuition charge is based on the number of semester hours taken. Part-time students taking six semester hours or less are not required to pay the student activity fee, the health and accident insurance fee, or the health service fee; however, all other fees must be paid.

AUDITING

All persons, *not officially registered* in the University, who desire to audit a course must secure the permission of the instructor and the Office for Academic Affairs and pay the fee for auditing to the Business Office. The fee for auditing a course will be \$12.00 per semester hour. A copy of the receipt from the Business Office must be filed with the Instructor at the beginning of the course.

A student who is officially registered and who wishes to audit a course must secure the permission of the Instructor and the Office for Academic Affairs; however, there will be no auditing fee. A copy of the letter from the Office for Academic Affairs granting permission to audit the course must be filed with the instructor at the beginning of the course.

Courses audited must not be shown on any official registration form and auditing students should not be included in figures reported on the permanent record of course.

No record of courses audited is kept and no entry of audited courses is made on the student's permanent record or on his transcript. Tests and assignments are not required of auditing students, and no grade is reported for courses audited.

SUMMER PROGRAM

The University offers two five-week sessions and a three-week intra-session designed to give the summer student both educational and recreational opportunities. Special workshops and institutes enrich the regular summer program and visiting specialists augment the regular faculty when the need arises.

Through many curricular and extra-curricular activities, the summer session provides special opportunities for teachers and other persons who are free for summer study. Many of the courses and workshops are open to individuals not seeking a university degree but interested in gaining personal or professional knowledge.

A student entering Pembroke University for the first time as a beginning freshman, a transfer student, and a student who is returning to the University after an absence of one semester or more, must meet all the requirements for admission.

Transient students, students who are regularly enrolled at another institution of higher education, who wish to take courses at Pembroke State University during the summer session for transfer to their home institution, must submit a form available from the Summer Session Office showing that they are in good standing at their home institution and have their Dean or Registrar's permission to enroll at Pembroke State University. Admission of a transient to the Summer Session *does not constitute admission to the University.*

In-service teachers who wish to attend the Summer Session for certificate renewal or some other purpose must submit an application. The application form and the *Summer Session Bulletin* may be obtained from the Summer Session Office.

CONTINUING EDUCATION DIVISION

Evening College Program—Pembroke State University offers a number of Evening Degree Programs (degrees which can be earned totally through enrolling in evening classes) for individuals within commuting distance of Pembroke who wish to earn degrees as full-time or part-time students and are unable to attend day classes.

All students admitted for degree-credit course work in the Evening College must meet minimum University requirements for admission. Applicants meeting minimum University requirements will be admitted either as special, part-time or regular students.

Extension—Credit and non-credit courses are offered through extension at times and places convenient to students. Extension instruction leads to earned credit toward a degree offered by Pembroke State but is offered outside the regular session, on campus program (and outside the summer session). Extension courses are offered on a need basis or by request from organizations and special groups.

Short Courses, Institutes, and Conferences—In addition to certificate requirements, the University meets special needs of students through this program and continues the tradition of providing education to all segments of the population.

The University awards Continuing Education Units (CEU) to participants in qualified programs. Continuing Education Units are a part of a nationwide recording system to provide a uniform measure of attainment in non-credit educational programs. One CEU at Pembroke is defined as "ten contact hours of participation in an organized continuing education experience under responsible sponsorship, capable direction, and qualified instruction."

DEVELOPMENTAL LEARNING PROGRAMS

The Developmental Learning Programs are designed to assist students with academic skill-building. A testing program including tests in reading, composition, and math as well as inventories in career choice and study habits, is administered as a part of the summer freshman orientation program. Based on the results of these tests, students are placed in courses designed to help them achieve college success.

A Reading-Writing Center, housed in the Business Administration Building, provides tutoring in reading and composition to any student enrolled in the University. In addition, the Developmental Learning staff, in cooperation with the Department of Education, offers review courses in preparation for the National Teachers Examination.

COLLEGE OPPORTUNITY PROGRAM

The College Opportunity Program is designed for a limited number of students who meet most, but not all, of Pembroke State University's regular admissions standards. Students are selected for admission to this program based on the high school academic record, scholastic standing in the high school graduating class, SAT or ACT scores, and the recommendation of the high school counselor. The application for admission should be filed as early as possible.

The student enters the College Opportunity Program in the summer for preliminary testing and a schedule of courses designed for the development of academic skills to prepare him for the Fall Semester. The student who successfully completes these summer courses is then eligible to continue in the Fall Semester with special advisement and counseling. Each student's academic eligibility is reviewed at the end of the Fall Semester and the Spring Semester. If he/she meets the academic eligibility requirements listed under "Academic Eligibility" in the college catalog and if he/she has successfully completed the College Opportunity Program, he/she is admitted to the University as a regular student at the end of the Spring Semester.

For additional information about the College Opportunity Program, contact the Director for Developmental Learning Programs or the Director of Admissions.

SPECIAL PROGRAMS

Special Programs at Pembroke State University is designed to help meet the academic, cultural, and financial needs of participants in order that they may achieve a high success rate while in school. The four projects included in Special Programs are Upward Bound, Special Services, Health Careers Academic Advancement Program (HCAAP), and Clinical Work-Study Summer Health Program (CWSSHP).

Upward Bound is funded to serve seventy-five Robeson County high school students who have academic potential but lack the motivation or skills to demonstrate that talent. The program consists of an academic and a summer phase. During the academic phase, students are encouraged to achieve their educational potential with the help of weekly tutoring sessions in their high school courses. Assistance is also provided for seniors in completing college and financial-aid applications. During the summer phase, participants live on campus for six-to-eight weeks and take part in a variety of academic, cultural, and recreational activities. This summer component familiarizes students with college life while motivating, developing, and enriching their basic skills.

Special Services is funded to serve one hundred fifty college students at Pembroke State University. The program offers the following services:

- tutoring on a one-to-one or a small group basis in all majors offered at the university
- reading skills instruction in increasing vocabulary, comprehension, and rate
- study skills assistance in developing techniques of note-taking and test-taking
- assistance in applying for financial aid and scholarship programs
- guidance in academic, vocational, and personal/social concerns
- opportunities to participate in cultural activities
- access to reference and resource materials available which include magazines, paperbacks, and a file on current events.

HCAAP and *CWSSHP* are provided through the North Carolina Health Manpower Development Program. Both projects assist students interested in bio-medical and allied health careers. The chief objectives of *HCAAP* are not only to strengthen the academic and basic skills preparedness of students in order to increase their competitiveness in the admissions and selection process but also to improve the performance of students in order to enhance their potential for retention and completion of academic requirements in their chosen profession. The chief objective of *CWSSHP* is to help students find clinical, work-learning experiences. In cooperation with local health care agencies in Robeson and Scotland Counties, students are placed in a summer job closely related to their health care interests.

Students interested in Special Programs should visit the office in Livermore Library or call (521-4214 ext. 276) for information.

COMPUTER CENTER

The Computer Center is located on the second floor of the Mary Livermore Library. The main offices are in Room 225 with keypunch machines and CRT's for faculty and student usage in Room 224.

With a staff of four full-time employees and several student assistants, the center handles all of the academic and administrative computing for the University. This service is provided via remote job entry from the Center's terminals to computers at Triangle Universities Computation Center (TUCC) in Research Triangle Park, NC.





IV. Academic Regulations

IV. ACADEMIC REGULATIONS

Students are expected to learn the University requirements and regulations which are applicable to them, and are individually responsible for meeting all such requirements and regulations.

Before the close of each semester, the student is expected to discharge all financial obligations to the University. A student may not register for a new semester nor receive a degree, certificate, or transcript until all University bills are paid.

CLASSIFICATION OF STUDENTS

Regular students at Pembroke State University are classified according to the number of semester hours they have earned in keeping with the following table:

- Less than 30 hours—Freshman
- 30 to 59 hours—Sophomore
- 60 to 89 hours—Junior
- 90 hours to graduation—Senior

STUDENT LOAD

All course work counts toward student load whether the student is enrolled for credit or as an auditor at this or another institution.

Full-time students must carry at least 12 semester hours each semester and may carry 18 semester hours; however, 15 semester hours is the normal load. Students who are on the current Dean’s List may take a maximum of 21 semester hours.

Summer session students may carry no more than 7 semester hours each summer session term.

GRADING AND ACADEMIC ELIGIBILITY

Grading System

Grade Per Semester Hour	Interpretation	Quality Points
A	Excellent	4
B	Good	3
C	Average	2
D	Below Average	1
F	Failure	0
P	Pass	0
I	Incomplete	0
W	Withdrawal	-

The "I," or incomplete grade, is given when a student is unable to complete required work because of an unavoidable circumstances such as illness. If the "I" is not removed during the succeeding semester, it will be computed as an "F." In the determination of quality point averages an "I" is counted as an "F."

The "W" grade is given when a student withdraws from a course during the designated drop-add period. It is also used after the drop-add period when a student obtains the signature of his instructor to withdraw from a course prior to and including the last day of the sixth week of the semester. An "F" is given when a student withdraws from a course(s) beginning the first day of the seventh week of the semester. In addition, a student who is withdrawing from the University will receive a grade of "W" in the course. An "F" is given if a student withdraws under any other conditions. When a student receives a "W" grade, neither the grade nor the semester hours attempted are counted. When a student receives a "W" grade, the grade is recorded, but the semester hours attempted are not counted.

QUALITY POINT AVERAGE AND SCHOLASTIC STANDING

Scholastic Standing at Pembroke State University is based upon the quality point average (grade average). For determining this, every grade has a quality point value for each semester hour it represents, as follows: A, four; B, three; C, two; D, one; F, zero. For example, an A in a three-hour course is worth 12 quality points; a D in a four hour course, four points; and an F in any course, zero points. To calculate the point average, the total number of quality points earned is divided by the total number of attempted semester hours. A student who attempts 16 semester hours and earns 40 quality points, holds a point average of .50. Only grades A, B, C, D, I, and F are included in the calculation of the point average.

An overall cumulative grade point average is obtained by including in the grade point average calculation, the hours attempted and the quality points received from PSU and the hours and quality points attempted from all other post-secondary institutions of higher education. For this purpose, only the most recent grade of a repeated course and only the semester hours corresponding to the most recent grade are used.

MINIMUM SCHOLASTIC REQUIREMENTS

To indicate to a student what his/her scholastic standing is, four categories have been established: good standing, above GPA minimum (but below 2.00), warning/probation, and suspension. The last two categories are viewed and intended as a means to provide assistance to the student to ultimately achieve graduation, not as chastisement. Suspension means a minimum of two semesters separation from the University to allow development of more maturation in those attributes that should enhance the student's academic ability.

Required levels of academic achievement increase progressively over the approximately four years and graduation. This is in recognition of the adjustment period of transition from high school to college level which is sometimes difficult. The cumulative grade point averages required are as follows:

Semester Hours Attempted	Minimum Overall Cumulative Quality Point Average
30	1.250
45	1.375
60	1.500
75	1.625
90	1.750
105	1.875
120	2.000

A student who falls below the specified average for the number of hours attempted (including transfer hours attempted) will be placed on warning/probation and restricted to enrollment of no more than 13 semester hours. A student who has been warned and who fails to bring the cumulative average up to the required minimum by the end of the following semester will be suspended; however, a student who averages at least 2.00 for the warning/probationary semester will be continued on probation even through the cumulative average does not reach the minimum.

HONORS

Any senior is eligible for honors who, at the beginning of the last semester of his senior year, has earned at least 15 semester hours of credit in residence at Pembroke State University during a regular Fall or Spring semester and who has not received more than two failing grades during his college or university career.

Students who attain an overall cumulative quality point average of 3.9 or higher are graduated *summa cum laude*. Those who achieve a minimum overall cumulative quality point average of 3.7 are graduated *magna cum laude* and students whose overall cumulative quality point average is at least 3.4 are graduated *cum laude*. Overall cumulative quality point averages are computed at the end of the semester prior to the student's last semester in school.

DEAN'S LIST

Students are eligible for the Dean's List which is issued at the close of each semester if they achieve a minimum semester quality point average of 3.60 while passing at least 12 semester hours of course work.

ACADEMIC ADVISEMENT

The University has an Academic Advising system to assist students in their respective academic programs. Each student is assigned to a faculty member who helps the student plan a program and maintains a record of progress during his or her college career. Although the adviser will guide the student in academic matters, the final responsibility for meeting all academic program requirements rests with the student.

The academic adviser may refer a student to other offices for further services in counseling, career planning and placement, tutoring, and skills development.

REGISTRATION

Each student must complete his registration in person. No student is considered to be officially registered until he has completed registration as outlined below. Students who fail to complete registration as prescribed will have their names dropped from all class rolls. If these students subsequently request to register, they must follow regular registration procedures just as if they had not started registration before.

The University has a two phase registration system: the preregistration phase and the registration phase.

Students currently enrolled at Pembroke State University may complete their registration by: (1) consulting with their advisors during the designated preregistration period and preparing their class schedules for the next semester, (2) obtaining a *Permit to Pay Fees* from the Registrar's Office, (3) paying tuition and fees to the Business Office, and (4) registering for course work desired during the designated registration period.

Students entering Pembroke State University for the first time or who are returning after an absence of one regular semester or more may complete their registration by: (1) obtaining a *Permit to Register* from the Registrar's Office, (2) consulting with their advisors and preparing their class schedules for the semester, (3) paying tuition and fees to the Business Office, and (4) registering for course work desired during the designated registration period.

DROPPING AND ADDING COURSES

After a student has completed registration the only way his schedule can be changed is through the drop-add procedure. To drop and/or add a course a student must obtain a Drop-Add Form from the Office of Records and Special Programs, complete the form, have it endorsed by the losing and/or gaining professors, and present it to the Business Office and the Office of Records and Special Programs.

Courses dropped during the drop-add period carry a "W" grade.

A student may withdraw from a course after the drop-add period but prior to and including the last day of the sixth week of the semester with a grade of "W" if he obtains the signature of his instructor.

WITHDRAWAL POLICY

All students who wish to withdraw officially from the University must complete the withdrawal procedure prior to exam week.

Students who are registered for classes and who wish to withdraw from the University must complete a Request for Withdrawal from the University. The form is available in the Office of Records and Special Programs. First, the form must be endorsed by the appropriate authorities as indicated on the form, then it is taken to the instructor of each course in which the student is registered, and finally it is submitted to the Office of Records and Special Programs.

The instructor will give the student a grade of "W" if the student has obtained the necessary endorsements. A student who is registered for classes and who withdraws from the University without completing the withdrawal procedure will receive a grade of "F" on all courses for which he is registered.

REPETITION OF COURSES

Any course may be repeated. Semester hours in courses repeated are counted only once and the most recent grade is the one used in computing quality point averages. It is to the student's advantage to repeat any course in which he has earned an unsatisfactory grade as soon as possible.

INDEPENDENT STUDY

A student who wishes to enroll in 499 Independent Study in any department must: (1) be classified as a senior, (2) have a *cumulative grade point average* of 3.0 or better in his major area of study, (3) request independent study in his major area, and (4) submit a *Request for Approval of Independent Study* in triplicate to the Office for Academic Affairs. The form can be obtained from the department head responsible for the student's major area of study. It must be approved by: (1) the professor supervising the student in independent study, (2) the department head, (3) the Dean of Records and Special Programs and (4) the Office for Academic Affairs. The student may elect to work for one, two, or three semester hours of credit.

Upon completion of the independent study, the student must prepare a typewritten report of the study in triplicate. If the supervising professor feels it is appropriate, the report will be catalogued and permanently housed in the Library.

CLASS ATTENDANCE

Students are expected to attend all classes regularly, and excessive absences may result in failure. The authority to determine whether a class absence is to be excused or unexcused is delegated to the instructor of the class, except that absences caused by personal illness, illness or death in the immediate family, participation in a University sponsored activity, or an activity approved for instruction purposes are to be excused. The burden of proving the cause of an absence is, however, upon the student, who must submit such information as the instructor may require.

In interpreting this regulation, "immediate family" will mean parents, grandparents, siblings, spouse, and children; "university sponsored activity" will be limited to representing the University in regularly scheduled athletic contests, intercollegiate debates, or officially sponsored appearances of the University instrumental or singing groups—the activities of social, political, and religious clubs are not to be considered University sponsored activities; and "activity approved for instructional purposes," will mean such instructional activities as field trips and individual on-site experiences which have been previously approved by the Office for Academic Affairs.

Students are reminded that instructors are encouraged to take the roll regularly and that only work missed during an excused absence can be made up.

REQUIREMENTS FOR GRADUATION

Each candidate for graduation must meet all of the following requirements:

1. Have a minimum of 120 semester hours of course work;
2. Have successfully completed the Basic Studies Program;
3. All Pembroke State University students presenting a "D" in any required freshman English Composition course must satisfy the English Proficiency requirement either by passing the Proficiency Examination given each semester and summer or by completing English 200 English Proficiency or by retaking the course(s) in question and accruing a grade of "C" or better;
4. Have successfully completed a program for an academic major;
5. Have a minimum overall cumulative quality point average of 2.0;
6. Have a minimum overall cumulative quality point average of 2.0 in major field of study;
7. Complete a minimum of 9 semester hours above the Basic Studies Program level in his major field of study at Pembroke State University if the student transferred to Pembroke;
8. Be registered during the academic year in which his graduation occurs;
9. Complete the last 30 semester hours in residence at Pembroke State University;
10. Have no more than 24 semester hours of correspondence and/or extension credit (with no more than 12 semester hours by correspon-

dence) from regionally accredited institutions, toward a degree, provided that such correspondence credit is approved by the Office of Records and Special Programs and will not be applied to satisfy specifically stated course requirements in major programs.

Any student needing to take correspondence work after admission to study at Pembroke State University may be permitted to do so only after obtaining formal approval from his academic advisor, from the Office for Academic Affairs, and from the Office of Records and Special Programs.

11. Have the recommendation of the faculty;
12. Make application for the degree no later than the end of registration for the last semester prior to the completion of graduation requirements;
 - a. The Degree Application Form can be obtained from the Office of Records and Special Programs.
 - b. A non-refundable graduation fee of \$20.00 must accompany the application.
 - c. If a candidate fails to qualify after filing his application and his fee before commencement, but does not qualify at some later time, he must submit another application and another fee.
 - d. If the candidate fails to meet this requirement as specified, he must wait until the next commencement to receive his degree.
13. Satisfy all his financial obligations to the University.

All candidates are encouraged to complete a file in the Placement Office.

A student who completes graduation requirements at the close of the Spring Semester is required to attend commencement which is held at that time. A student who completes graduation at any other time will have the option of returning to participate in commencement or of receiving his diploma in absentia. If the student elects to receive his diploma in absentia, he must submit a written request to the Dean of Records and Special Programs by April 15 which indicates the address to which the diploma will be mailed. When the request is made as indicated above, the diploma will be mailed after the graduation ceremony.

MISCELLANEOUS

Academic eligibility for a student shall be determined by current regulations.

A student must choose to meet the *graduation requirements* of one catalog. He may elect to meet the requirements which were published in the University catalog which was current at the time he entered this institution or a subsequent catalog; however, he will not be allowed to meet some of the requirements of one catalog and some of the requirements of another catalog.

A student whose attendance at Pembroke State University is interrupted for more than one semester must meet the requirements published in the catalog which is in effect at the time he resumes his studies or those of a subsequent catalog.

Courses completed in other accredited colleges and universities for which transfer credit is requested will be evaluated in terms of Pembroke State University's academic regulations and curriculum, and in terms of the student's proposed program at Pembroke.

All courses attempted at all institutions are computed to determine a student's overall grade point average.

No student may transfer credit for more than 60 semester hours earned in a two-year college nor may any student who has attained junior status at Pembroke receive transfer credit for any work taken after that time in a two-year college.

Fractional credit will not be granted for partial completion of any course.



7. Curricula and Degrees

V. CURRICULA AND DEGREES

Pembroke State University operates on the traditional two semester system and offers an extensive summer program designed to permit the academic acceleration of regular university students and to serve the needs of public school teachers. The Summer Session is divided into two terms.

B.A. OR B.S. DEGREE

The University offers various liberal arts programs leading to the Bachelor of Arts or Bachelor of Science degree and programs for teacher certification in several fields. Candidates who successfully complete the University requirements in the following fields receive the Bachelor of Arts degree:

Art	Music
Economics	Philosophy and Religion
English	Political Science
History	Sociology

Candidates who successfully complete the University requirements in the following fields receive the Bachelor of Science degree:

Art Education	Mathematics
Biology	Music Education
Business Administration	Psychology
Business Education	Reading Education
Chemistry	Social Work
Elementary Education	Special Education
Health, Physical Education and Recreation	

Candidates who hold the Associate in Applied Science Degree and who successfully complete the additional University requirements receive the Bachelor of Science in Applied Science Degree.

The Division of Professional Services of the State Department of Public Instruction has approved the following teacher certification programs at Pembroke:

Elementary School	Biology
K-3 (Early Childhood Certificate)	Social Studies
4-9 (Intermediate Grades Certificate)	Special Subject Areas (Grades K-12)
Subject Areas (Grades 7-12)	Art
Business Education	Music
English	Physical Education
Mathematics	Reading Education
	Special Education

Descriptions of graduate curricula and degrees begin on pages 262 and 265.

MINIMUM BASIC STUDIES REQUIREMENTS

Graduation from Pembroke State University is based on successful completion of Basic Studies which is required for all baccalaureate degrees, and upon successful completion of a specialized program for a major.

Basic Studies at Pembroke State University seeks to graduate students with broad vision who are sensitive to values and the complexity of social problems and who are becoming effective citizens with an international perspective and a deep appreciation for the great principles and achievements of civilizations. The program attempts to impart to the student an understanding of the fundamental principles and contributions of a wide variety of disciplines. At the same time, it seeks to help students to analyze and weigh evidence, to exercise quantitative and scientific skills, to make informed decisions, to write and speak clearly, and to be creative.



BASIC STUDIES REQUIREMENTS

(50 Hours Total)

A. Basic Skills (6 hours)

CMA 105 Composition I

CMA 106 Composition II

6 hours

A full-time student must enroll in CMA 105 - Composition I - immediately.

If the student does not successfully complete CMA 105, the student must enroll in CMA 105 again in the next semester (and in each semester following until CMA 105 is successfully completed.)

A full-time student who has successfully completed CMA 105 must immediately enroll in CMA 106 - Composition II.

If the student does not successfully complete CMA 106, the student must enroll in CMA 106 again in the next semester (and in each semester following until CMA 106 is successfully completed.)

A student who has received credit for CMA 105 and CMA 106 is exempt from the requirements above; there is an English proficiency requirement, however, for certain students. Please see REQUIREMENTS FOR GRADUATION, page 51.

B. Humanities (18 hours)**(1) Fine Arts**

3 hours

Choice of *one* course from the following:

ART 205 Art Appreciation

CMA 250 Introduction to the Theatre

MUS 230 Music Appreciation

MUS 295 Music History and Literature I

(2) Literature

3 hours

Choice of *one* course from the following:

CMA 205 World Literature I

CMA 206 World Literature II

Six semester hours of 200-level literature courses are required by Pembroke State University for any teacher certification candidate.

(3) History

Choice of *one* course from the following:

3 hours

- HST 126 Early European Civilization
- HST 127 Modern European Civilization
- HST 201 American Civilization
- HST(AIS) 210 History of the American Indian

Six semester hours of 100 or 200-level history courses are required by Pembroke State University for any teacher certification candidate.

(4) Philosophy and Religion

3 hours

Choice of *one* course from the following:

- PHI 100 Introduction to Philosophy
- PHI 101 Introduction to Logic
- REL 130 Introduction to Religion

(5) Humanities Division Electives

6 hours

Choice of *two* courses selected from the following areas. Both courses may not be selected from the same area except that a student may elect 6 hours of foreign language.

a) Fine Arts

- ART 101 Elements of Design
- ART 205 Art Appreciation
- CMA 250 Introduction to the Theatre
- MUS 113 Fundamentals of Music Theory
- MUS 209 Basic Music for the Elementary Teacher
- MUS 230 Music Appreciation

b) Communicative Arts

- CMA 100 Interpersonal Communication
- CMA 101 Fundamentals of Speech
- CMA 204 Mythology of All Peoples
- CMA 205 World Literature I
- CMA 206 World Literature II
- CMA 207 Studies in Literature
- CMA 217 English Literature to 1800
- CMA 218 English Literature since 1800
- CMA(AIS) 220 American Indian Literature
- CMA 222 American Literature to 1865
- CMA 223 American Literature since 1865
- FRH 131, 132 Elementary French
- FRH 231, 232 Intermediate French
- SPN 131, 132 Elementary Spanish
- SPN 231, 232 Intermediate Spanish

c) History

- HST 126 Early European Civilization
- HST 127 Modern European Civilization
- HST 201 American Civilization
- HST(AIS) 210 History of the American Indian

d) Philosophy and Religion

- AIS 201 American Indian Culture
- PHI 100 Introduction to Philosophy
- PHI 101 Introduction to Logic
- PHI 201 Methods of Formal Logic
- PHI 202 Philosophy of Religion
- PHI 204 Ethics
- PHI 205 Social and Political Philosophy
- PHI 211 American Philosophy
- REL 105 Survey of Old Testament
- REL 106 Survey of New Testament
- REL 130 Introduction to Religion
- REL 209 Religion in America
- REL(AIS) 213 American Indian Traditions
- REL 216 Religions of the Far East
- REL 218 Religions of the Near East

C. Social Science (12 hours)

Each student must earn three hours in four out of five of the following disciplines chosen from the courses listed below:

(1) Economics

- ECN 201 Principles of Economics I

(2) Geography

- GGY 101 Introduction to Geography
- GGY 200 Cultural Geography
- GGY 202 Introduction to Regional Geography
- GGY(ECN) 206 Economic Geography

(3) Political Science

- PLS 100 Introduction to Political Science
- PLS 101 Introduction to American National Government

(4) Psychology

- PSY 101 Introductory Psychology
- PSY 150 Psychology of Personal Growth

(5) Sociology

- SOC 101 Introduction to Modern Sociology
- SOC 103 Cultural Anthropology and Sociology in Education
- SOC 201 Sociological Concepts
- SOC 202 Introduction to Cultural Anthropology

D. Natural Sciences and Mathematics (12 hours)**(1) Biology**Choice of *one* course from the following:

- | | |
|---------|--|
| BIO 100 | Principles of Biology |
| BIO 105 | General Biology for Elementary Education |

(2) Physical ScienceChoice of *one* course from the following:

- | | |
|---------|--|
| CHM 100 | General Chemistry |
| PHS 100 | Development of Physical Thought I |
| PHS 101 | Development of Physical Thought II |
| PHS 105 | Physical Science for Elementary Teachers |
| PHY 100 | Elementary Physics I |
| PHY 150 | College Physics I |
| PHY 200 | University Physics I |

(3) MathematicsChoice of *one* course from the following:

- | | |
|---------|--|
| MAT 101 | Mathematics for Elementary School Teachers |
| MAT 105 | Introduction to College Mathematics |
| MAT 107 | College Algebra |
| MAT 108 | Plane Trigonometry |
| MAT 109 | College Algebra and Trigonometry |
| MAT 221 | Calculus I |

(4) Divisional ElectiveChoice of *one* course from the following:

- | | |
|--------------|--|
| BIO 101 | General Botany |
| BIO 102 | General Zoology |
| BIO 201 | Economic Botany |
| BIO 207 | History of Biology |
| BIO 210 | Conservation and Environment |
| CHM 100, 101 | General Chemistry |
| CHM 109 | Chemistry, the Modern World, and Man |
| CSC 200 | Intro. to Computer Programming—FORTRAN |
| CSC 201 | Intro. to Computer Programming—COBOL |
| CSC 210 | Introduction to Statistics |
| GLY 100 | Introduction to Physical Geology |
| GLY 115 | Introduction to Earth Science |
| GLY 156 | Introduction to Astronomy |
| MAT 101, 102 | Mathematics for Elementary School Teachers |
| MAT 105 | Introduction to College Mathematics |
| MAT 107 | College Algebra |
| MAT 108 | Plane Trigonometry |
| MAT 109 | College Algebra and Trigonometry |
| MAT 118 | Finite Math |
| MAT 210 | Introduction to Statistics |

- MAT 221, 222 Calculus I, II
- PHS 100, 101 Development of Physical Thought I, II
- PHY 105 Physical Science for Elementary Teachers
- PHS 116 Exploring Energy Choices
- PHY 100, 101 Elementary Physics I, II
- PHY 115 Electronics
- PHY 150, 151 College Physics I, II
- PHY 200, 201 University Physics I, II

E. **Physical Education** (2 hours)

Each student is required to complete *two* of the following courses:

- 131 Archery
- 132 Badminton
- 133 Beginning Golf
- 134 Beginning Swimming
- 135 Beginning Tennis
- 137 Bowling
- 138 Folk Dancing
- 139 Racquetball
- 140 Intermediate Swimming
- 141 Physical Conditioning
- 142 Social Dance
- 144 Trampoline
- 145 Volleyball
- 146 Weight Training
- 149 Scuba Diving
- 170 Softball
- 171 Intermediate Tennis
- 172 Advanced Lifesaving
- 173 Water Safety Instructor's Course
- 174 Modern Dance

Total: **50 sem. hrs.**

No more than two of the following courses shall apply toward Basic Studies requirements: AIS 201, CMA(AIS) 220, HST(AIS) 210, REL (AIS) 213.

Chancellor's Scholars may earn credit for Basic Studies in the Chancellor's Scholars Program:

- | | | |
|--------|--------------------------|--|
| SP 100 | Current World Programs | - will receive credit for any course in Social Science. |
| SP 200 | Great Cultural Epochs I | - will receive credit for any course in Section (5) of Humanities. |
| SP 201 | Great Cultural Epochs II | - will receive credit for any course in Section (5) of Humanities. |

CSP 250 Structures of the Universe - will receive credit for any course in Section (4) of Natural Science and Mathematics.

CSP 275 Individual and Collective Man - will receive credit for any course in Social Science.

REQUIREMENTS FOR MAJORS, MINORS AND SPECIAL PROGRAMS

A major field of study consists of not less than thirty semester hours of course credit earned in that field, at least fifteen of which must be in courses numbered above 299. Detailed requirements for majors have been established and are printed in the department section of the catalog.

REQUIREMENTS FOR A DOUBLE MAJOR

A student may elect to earn majors in two separate disciplines on the condition that the student meets all requirements for each major. The student who completes requirements for more than one major will receive only one degree, but at the time of initial graduation, the record will indicate both majors.

REQUIREMENTS FOR A SECOND BACCALAUREATE DEGREE

A student with a bachelor's degree may receive a second baccalaureate degree if it is a different degree and a different major by fulfilling the following requirements:

- (1) The student must meet all the requirements for the second degree and major.
- (2) The student must complete a minimum of 30 hours in residence beyond the requirements for the first degree.

REQUIREMENTS FOR A MINOR

A recognized minor should ordinarily consist of 18 to 21 semester hours of unduplicated courses (courses not also used to satisfy basic studies or the requirements of the major field). Proposed minors containing duplicated courses will be evaluated on their own merits. The award of a minor will require formal approval of the department concerned. Successful completion of a minor will be noted on the student's official transcript. Student participation in minor programs will be optional.

The following departments offer minors:

American Indian Studies	Mathematics
Art	Music
Communicative Arts	Philosophy and Religion
Geology and Geography	Political Science
Health, Physical Education and Recreation	Psychology
History	Sociology

In addition, two interdepartmental minors are available:

World Studies (see p. 257)	Personnel and Organizational Leadership (see p. 254)
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CHANCELLOR'S SCHOLARS PROGRAM

The Chancellor's Scholars Program is designed to recognize outstanding students, and to promote the scholarly growth of the students selected for the program by providing more interdisciplinary educational opportunities. These opportunities include: interdisciplinary seminars; an intellectually-stimulating social environment; greater curricular flexibility; more personal contact and scholarly discussions with students and faculty from the various disciplines; closer interaction with individual faculty members in the program; and the opportunity to write a senior thesis or to develop a senior project with faculty supervision.

Chancellor's Scholars are selected on the basis of high grades, Scholastic Aptitude Test (SAT) scores or American College Testing (ACT) scores, and/or extra-curricular achievements. Tuition scholarships are awarded to as many of the Chancellor's Scholars as possible. Chancellor's Scholars are appointed by the Chancellor on the recommendation of the Chancellor's Scholars Council. After receiving the recommendation, the Chancellor sends a letter inviting the student to participate in the program.

Retention of students in the Chancellor's Scholars Program requires that the Scholar maintain a minimum overall grade point average of 3.0, maintain a minimum CSP grade point average of 3.0, and receive two recommendations from the Chancellor's Scholars Council.

The Chancellor's Scholars Program allows the students to obtain a broad and solid general education, select an existing major at the University that best meets career goals, and participate in an enriching series of interdisciplinary seminars.

For Chancellor's Scholars seminars, please see page 255.

For further information, write Director, Chancellor's Scholars Program, Pembroke State University, Pembroke, NC 28372.

AIR FORCE ROTC PROGRAM

General military courses are available for the freshman and sophomore years, and professional officer courses for the junior and senior years.

Advanced credit for a portion of the freshman/sophomore curriculum may be granted for previous participation in high school Junior ROTC, Army or Navy Senior ROTC, Civil Air Patrol, military school, or prior active military service.

Qualifications

The general qualifications for general military course entry are as follows: (a) United States citizenship; (b) meet college entrance medical standards; (c) good moral character; and (d) attend a college or university offering the

AFROTC Four-Year Program or a college or university which has a cross-enrollment agreement with an institution hosting the AFROTC Program. Pembroke State University has a cross-enrollment agreement.

Mission

The AFROTC Program mission is “to recruit, educate, and commission officer candidates through a college campus program in response to Air Force requirements”. To support this mission, AFROTC has three specific objectives: (1) To recruit, select, and retain officer candidates until they are commissioned as second lieutenants in the U.S. Air Force; (2) to provide college-level education that qualifies cadets for commissioning in the US Air Force; and (3) to strengthen each cadet’s sense of personal integrity, honor, and individual responsibility; enhance knowledge of how the US Air Force serves the national interest; increase understanding of officer professionalism in the US Air Force; and develop potential as a leader and manager.

For Aerospace Studies courses, please see page 248.

For further information, write AFROTC Program, Pembroke State University, Pembroke, NC 28372.

ARMY ROTC PROGRAM

Enrollment in the Basic Course is open to all full-time students, and it carries with it no obligation for military service. Completion of the Basic Course is a prerequisite for application into the Advanced Course.

Prior service in the military, high school ROTC, or membership in a National Guard or Reserve unit may result in direct Advanced Course placement. Entrance into the Advanced Course is selective and is based upon demonstrated performance and leadership potential. Students who satisfactorily complete the Advanced Course and graduate from the University are commissioned as Second Lieutenants into the US Army.

Qualifications

The general qualifications for entry into the ROTC Program are as follows: (a) United States Citizenship; (b) Meet college entrance medical standards; (c) Good moral character; and (d) Be enrolled as a full-time student at Pembroke State University.

Mission

The mission of the Army ROTC Program at Pembroke State University is to attract, motivate, and prepare selected students to serve as commissioned officers in the active or reserve components of the US Army; to provide a practical understanding of the concepts and principles of military science; to develop a strong sense of duty, honor, and country; to promote teamwork and individual fitness; and to develop an understanding of and an appreciation for international relations and national security. Attainment of these objectives prepares students for commissioning and establishes a solid

foundation for their professional development and effective performance in the uniformed service or in civilian enterprise.

The Army ROTC Program is of modular construction and is composed of a Basic and an Advanced Course. For Army ROTC courses, please see page 252.

For further information, write Department of Military Science, Pembroke State University, Pembroke, NC 28372.

PROGRAMS FOR EXPERIENTIAL LEARNING

Practical work experience is very important in today's world. Students at Pembroke State University may elect to get some practical work experience which is related to their program major (or minor) through several practical work experiences.

Experiential Learning Program

Experiential learning is a working-and-learning arrangement. The student negotiates a proposal in some area of interest to the student. Negotiation involves the student, the University, and an organization (business, agency, etc.) where the student plans to work. Experiential Learning is available through academic departments and requires approval of the chairman.

The following regulations govern the offerings of Experiential Learning:

1. The Experiential Learning Program consists largely of Experiential Learning I and Experiential Learning II. A student must take the courses in numerical order. They cannot be taken concurrently.
2. The amount of credit that can be earned in Experiential Learning I and II varies from one to three semester hours in each course, and is jointly determined by the student and the student's major advisor on the basis of what the student contracts to do.
3. To be eligible for enrollment in Experiential Learning I or II, a student must:
 - a. have declared for a major program in a department which provides its students with practical work experience through Experiential Learning I and II.
 - b. be classified as a junior or senior.
 - c. have an overall cumulative quality point average of at least 2.0.
 - d. have the written recommendation and approval of the major department chairman and the major advisor.
4. Each eligible student who registers for Experiential Learning I or II is required to sign and carry out a written work-learning contract jointly developed by the student, the student's advisor, and the organization providing the practical work experience which states:
 - a. what the student is to do, what the major advisor is to do, and what the organization is to do.
 - b. the number of semester hours the student will earn in completing the contract.

- c. that credit will be earned only if all of the contracted work is completed within a contract period of one semester or term of summer session.
5. Eligible students are allowed to use not more than a total of six semester hours of credit in Experiential Learning I and II in meeting the 120 semester hours minimum requirement for the degree.

Cooperative Education Program

Cooperative Education is an arrangement whereby Pembroke State University cooperates with an outside business or agency to help a student directly explore a career-related field as an integral part of the educational program. The program allows participating students to alternate full-time work and on-campus study as complementary educational experiences while pursuing an academic degree program. To be eligible, a student must have completed a minimum of 30 semester hours and normally must have earned a cumulative GPA of 2.00 or above. Participants receive pay and academic credit for the work experience which are coordinated and supervised by the Career Planning and Placement Office.

Internship Program

The Internship Program provides opportunities for students to earn academic credit for approved work or research programs in cooperating business, government or education organizations. The internships, which are of one term duration, are open to qualified junior or senior students with the approval of the department chairman. Further information is available from the Career Planning and Placement Office.

THE GRADUATE PROGRAM

The Master of Arts in Education programs in Elementary Education and in Educational Administration and Supervision provide curricula and leadership training for continuing professional and career development. Specialties are offered leading to certification in early childhood education, intermediate education, educational administration and supervision (curriculum and instruction).

Candidates for the Master of Arts in Education degree will be required to complete successfully a minimum of thirty semester hours in the prescribed program of graduate study. Where it is felt that more work is required to prepare a candidate for the degree and/or graduate certification, the number of semester hours of required work will be increased.

The curriculum core in the early childhood and intermediate areas of Elementary Education includes twelve semester hours of education in the areas of curriculum, research, language development, reading, and diagnosis/evaluation of pupils and programs. Eighteen (or more) semester hours of appropriate electives are also required.

The curriculum core in Educational Administration and Supervision consists of eighteen semester hours of education in the areas of educational administration and supervision, curriculum, research, and an internship complemented by twelve (or more) semester hours of appropriate electives.





VI. Student Life And Affairs

VI. STUDENT LIFE AND AFFAIRS

STUDENT GOVERNMENT

Although discipline is the legal responsibility of the Administration, the principle of Student Government is fully supported by the administration and faculty. All students attending Pembroke State University automatically become members of the Student Government Association. Student Government functions through its elected representatives and its sponsor, the Vice Chancellor for Student Affairs. Officers of the Student Government are elected by the student body each spring according to the constitution and bylaws of the organization.

ATHLETICS

Pembroke State University attempts to maintain a well-rounded program for men and women in both intercollegiate and intramural athletics. The University holds membership in the National Association of Intercollegiate Athletics, the National Collegiate Association of Athletics, the Carolinas Intercollegiate Athletic Conference, the North Carolina Association of Intercollegiate Athletics for Women (Southern Region II), and fields representative teams in baseball, basketball, cross country, golf, soccer, softball, tennis, track, wrestling and volleyball.

Regular competition in several intramural sports is available to students in the Intramural Department. The program includes basketball, volleyball, softball, tennis, badminton, racquetball, bowling, table tennis, swimming, flag football, horseshoes, and track and field.

CULTURAL PROGRAMS

There are many opportunities for cultural enrichment at P.S.U. The Pembroke Players produce four main-stage plays each year plus numerous studio theater productions in the Performing Arts Center. The Music Department contributes programs of the band, chorus and the ever popular Singers and Swingers. The Lyceum Series provides five or six professional touring groups each year. Also, student and faculty art shows are displayed in the lobby of the Performing Arts Center.

CO-CURRICULAR ACTIVITIES

The Pembroke State University community believes that students should become actively involved in the co-curricular activities of their University. This involvement should be an important part of the student's campus life. The administration at Pembroke State is dedicated to providing the student body with a variety of activities that will complement the fine advantage of these activities.

The Band is open to all students regardless of major. The band appears in parades and festivals in addition to a regularly scheduled series of concerts. As a marching group, they travel to neighboring states as well as in North Carolina.

Cheerleaders are selected through competition. In addition to cheering at athletic events, the Cheerleaders are campus leaders in furthering the positive aspects of school spirit.

The Chorus is open to all students regardless of major. The Chorus is a large mixed vocal organization that specializes in performing works of a serious nature as well as the light classics. The Chorus appears before campus groups and local groups, and represents the University on tours.

The Indianhead is the University yearbook. All students are eligible to work on the staff.

The Pep Band is open to all students regardless of major. It specializes in performing at University athletic contests and other special occasions.

The Pine Needle is the student newspaper. All students are eligible to work on the staff.

The Players is a dramatics organization which offers members the opportunity to appear in plays and to engage in play productions.

The Singers is open to all students regardless of major. The Singers is a mixed-voice ensemble which specializes in performing popular songs before campus groups, local civic organizations, and goes on University tours.

The Swingers is open to all students regardless of major. The Swingers is an instrumental ensemble which specializes in performing popular music and modern dance arrangements before campus groups and local civic organizations, and goes on University tours.

The Track Club is open to all students and its primary purpose is to lend assistance to the track team and act as a booster club at away meets.

CAMPUS CLUBS

Aletheia (Philosophy-Religion) Club is open to anyone with an interest in fellowship among students and faculty in philosophy and religion; it offers extracurricular opportunities for enrichment through speakers, etc., and information regarding job opportunities and further educational possibilities in this area.

The American Indian Student Association is open to all students, and its primary purpose is to create an Indian awareness and concern for the Native American.

The Association for Childhood Education International is open to anyone interested in early childhood education. The club's programs stress the important phases of early childhood education.

The Black Student Organization is open to all students and its primary purposes are to foster the idea of Black identity, promote the true spirit of Black unity, and insure effective participation in decision-making processes that affect the organization's members.

The PSU Chess Club is open to all students. Its primary purpose is to promote the popularity of chess and thereby contribute to the cultural and intellectual life of the University and community.

The Circle K Club is sponsored by the Pembroke Kiwanis Club and is open to all students.

The Euclidian Mathematics Society is open to all students interested in mathematics.

The Health Careers Club is open to all students. Its primary purpose is to promote awareness and interest in all areas of the health professions.

The Natural Science Club is open to anyone interested in natural science.

The PSU Chapter of the North Carolina Association for the Education of Young Children is open to all students, its primary purpose is to foster, encourage, and coordinate activities in relation to the education and well-being of children.

The Pi Beta Chi Business Fraternity is open to all students majoring in Business Administration or Business Education. Its primary purpose is to develop the student's knowledge and understanding of business administration and business education problems.

The Political Science Club is open to all students majoring in any curriculum offered by the Political Science Department.

The Applied Sociology Club consists of students interested in practical applications of the science of sociology such as community development and town planning, occupational guidance and vocational rehabilitation, etc. It is open to all students.

The Student Council for Exceptional Children is dedicated to promoting the welfare and education of exceptional children and adding professional growth for the members.

The Student National Education Association is open to all students interested in the affairs of public education.

RELIGIOUS ORGANIZATIONS

Religious organizations serving the Pembroke State University campus are based on the philosophy of providing opportunities for spiritual enrichment, social activities and religious service.

They are: The Baptist Student Union
Kings Pentecostal Fellowship
Methodist Student Movement
PSU Catholic Community
Westminster Fellowship



HONORARY ORGANIZATIONS

Alpha Chi is a National Honor Society. Membership is comprised of the top ten percent of the junior and senior classes.

Alpha Psi Omega, the national dramatics fraternity, is open to those who excel in dramatics.

Alpha Theta Honorary Historical Fraternity is open to those students majoring or minoring in history who have at least a 3.0 grade point average in 12 or more hours of history.

The Marshals of Pembroke State University are elected by a joint committee of faculty and students. The Marshals officiate at many University functions.

The National Art Education Association is an organization established to foster and stimulate the development of the artistic and creative interest of the college community.

Phi Mu Alpha Sinfonia is the national music fraternity open to those males who are interested in promoting music.

Pi Sigma Alpha is a national political science honor society open to students interested in politics.

Psi Chi is a national honor organization to advance the science of psychology and to encourage, stimulate, and maintain the scholarship of individual members in all fields, particularly in psychology.

Sigma Alpha Iota is the international music fraternity for women students of colleges, conservatories and universities. Music majors and music minors are eligible for membership provided they have a 3.0 grade point average in music courses and a 2.5 grade point average for all other academic areas of study.

Sigma Tau Delta is a national English organization designed to offer majors and faculty members in communicative arts an opportunity to share ideas, to bring speakers to campus, and to enhance student-professor relationships.

The Sociology Honor Society is open to those students with an overall 3.0 grade point average who are interested in the study of society.

SORORITIES

There are four sororities at Pembroke State University. They function as social organizations dedicated to enhancing the quality of community life on campus. Each sorority also undertakes many worthwhile service projects throughout the year.

The sororities are:

Sigma Sigma Sigma
Kappa Delta

Zeta Phi Beta
Zeta Tau Alpha



FRATERNITIES

There are four fraternities at Pembroke State University. They are social organizations, dedicated to enhancing the quality of social life on campus. Many projects are undertaken by each fraternity each year for the betterment of the University and the community.

The fraternities are:

Alpha Omega Upsilon

Pi Kappa Alpha

Pi Kappa Phi

Phi Beta Sigma

WHO'S WHO AMONG STUDENTS IN AMERICAN UNIVERSITIES AND COLLEGES

Students selected for inclusion in this publication are chosen by a joint faculty-student committee and are judged on their total contributions to the University rather than their academic achievements alone.

MISS PSU AND MISS HOMECOMING

Miss Pembroke State University is selected by a panel of professional judges at a pageant held on campus during the Fall semester. Miss Homecoming is selected by popular vote of the student body during the Spring semester.

STUDENT HOUSING INFORMATION

All freshmen and sophomores are required by University regulations to live on campus until they have earned 60 semester hours unless exempted prior to registration. An Application for Campus Housing **MUST BE COMPLETED BY EVERY FRESHMAN AND SOPHOMORE STUDENT** entering Pembroke State University and by all other students who plan to live on campus.

An application for dormitory housing can be obtained from the Director of Student Housing, Pembroke State University, Pembroke, N.C. Room assignments are made in June preceding the Fall semester and in December preceding the Spring semester. Exemption requests will be considered and ruled on by the Housing Office: Students will be notified of the decision within ten days of their action.

At Pembroke State University housing is an integral part of the educational program. Residence halls are considered to be more than merely places to sleep; they are "home" for a few years for many students. The University's aim is to provide residence halls that offer an environment conducive to studying and to providing an opportunity for each student to develop socially and academically. The residence halls are essentially operated by the residents themselves. Especially mature, well-qualified students are employed as hall counselors. Hall counselors have many duties; however, one of their primary duties is to extend the services of the Guidance and Testing Center into each room of the dormitory. The Dormitory Hearing Boards, elected by the dormitory students, make the dormitories essentially self-governing.

Residence halls are located within walking distance of all campus facilities including classroom buildings, library, cafeteria, snack bar, student union, bookstore, post office, and recreational facilities. A wide selection of campus recreational facilities and programs are available to all students. Students are encouraged to become involved in the different activities and student organizations on campus.

In order to reserve a room on campus, an application for housing and a \$25 dormitory deposit should be mailed to: Director of Housing, Pembroke State University, Pembroke, N.C. 28372. This application and deposit must be on file before a permanent room assignment can be made. The deposit protects your room reservation until you either graduate or terminate your stay on campus and is refunded provided the procedures listed below are followed.

Dormitory Deposit

1. Incoming new students: The University will refund all but \$10 of the room deposit if written notice of cancellation is received by August 1st, preceding the Fall semester, and by December 1st, preceding the Spring semester. After these dates the deposit is non-refundable. Applicants who are not accepted for admission will receive a full refund on their deposit.
2. Established residents: The \$25 dormitory deposit (less damages) will be refunded provided that the resident submits written cancellation by November 15th, preceding the Spring semester, and by April 15th, preceding the Fall semester.

Exceptions are made only for service in the military, physical incapacitation, and academic ineligibility. In each situation, the Housing Office must be provided written proof. Failure to comply with the foregoing policies will result in forfeiture of the room deposit.

Key Deposit

A key deposit of \$5.00 will be charged to each student when he picks up the room key. This deposit is refunded when the student returns the key.

SUMMER HOUSING

Room, linen, and board are available during both terms of the Summer Session at the rate of \$180.00 per term. A \$25.00 deposit is necessary to secure a dormitory room.

SAGA FOOD SERVICE

Students residing in campus dormitories are required to purchase a meal plan. Any student requiring a special diet should obtain a copy of the prescribed diet from their physician and submit it to the director of the food service.

The meal card is NOT TRANSFERABLE under any circumstances, and each student must attach a valid PSU I.D. Card to the meal card. A meal card is

required to be presented at each meal. If a student loses his meal card the director of the food service will issue that student a three-day temporary meal card. If the lost meal card is not recovered after three days, the student must pay a non-refundable \$10.00 fee for replacement. All meal plans are valid seven days a week.

COUNSELING SERVICE

The University provides psychological counseling services through the Guidance Center located in Old Main. Students who are experiencing personal, interpersonal, or academic difficulties are encouraged to make an appointment with a trained counselor at the Guidance Center as soon as possible.

The Guidance Center also provides students personal development opportunities through the use of such activities as personal growth groups, assertive training, vocational counseling, interpersonal communication workshops, and premarital counseling. The Guidance Center is staffed with a counseling psychologist and a clinical psychologist. All conferences are completely confidential.

HEALTH SERVICE

Pembroke State University is proud of its modern 22-bed infirmary, which offers 24-hour coverage. The University is supervised by a part-time physician who is in the clinic each morning, Monday through Friday. He is assisted by a full-time nursing staff consisting of a registered nurse, who is the University Nurse and who supervises the nursing staff of six nurse assistants.

CAREER PLANNING AND PLACEMENT SERVICES

The Career Planning and Placement Office exists to assist students and alumni with career planning and with seeking and securing meaningful full-time employment. Students are afforded the opportunity to explore career opportunities with recruiters from a large number of business firms, government agencies and school systems which conduct on-campus interviews during the school year. The Placement Office also maintains and makes available to students and alumni a library of resources related to careers and job seeking techniques, including information about specific careers, employers, salary trends, the job market, graduate and professional schools, and part-time and summer employment opportunities.

All students are urged to register with the Career Planning and Placement Office and to complete a credential file when they become seniors regardless of whether they have an immediate need for the service. The student's credential file, a major service offered by this office, may include an unofficial copy of the transcript, personal data form, letters of reference from professors, resumé, and student teaching reports for those who do student teaching.

Upon request by a prospective employer or registered student, a set of the student's credentials is sent to the employer by the Placement Office. This file serves as a permanent repository of credentials.

Students whose records are in the active file are recommended to prospective employers and notified of specific job opportunities which meet the candidate's geographic and career field preferences and for which the candidate is qualified to apply.

The Director is available for counseling with registrants who need information about job opportunities. There is no charge for any of the placement services, and it is a life-long service.

DISCIPLINE

Pembroke State University is an institution for the education of men and women who expect to take their places as responsible, trustworthy citizens of their country. It takes for granted that students will not be guilty of improper conduct.

The aim of all discipline is two-fold: First, to develop self-control in the individual; and second, to protect the welfare of society.

Students who cannot or will not comply with the few and simple rules governing the student body are subject to dismissal.

The institution reserves the right to decline to register students whose past record is such as to indicate moral, scholastic, or general conduct unfitness.

In addition to any costs for repair or replacement, penalties for vandalism may include a \$25.00 fine, social or residence life probation, or suspension from the University. Student discipline matters come under the jurisdiction of appropriate official or administrative area.

All students are expected to observe the rules and live by the general codes of conduct as stated above and enumerated in the *Student Handbook*. Students living in the University dormitories are expected to observe special rules applicable to dormitory students.

VEHICLE REGISTRATION

Each motor vehicle, including two-wheeled vehicles, driven or parked on the campus by students, faculty, or staff must be registered in the Business Office and must display a valid parking permit. These parking permits can be purchased in the Cashier's Office for a \$10.00 fee (valid for one year only).

Students, faculty, and staff members are all subject to traffic rules and regulations. It is your responsibility to obtain a copy of the Traffic Rules and Regulations when you register your vehicle in the Business Office. These regulations are strictly enforced by the campus police officers. Fines must be paid before any records can be released from the University.

It is a privilege and not a right for a person to keep or operate a motor vehicle on the campus of Pembroke State University. Each student, faculty, or staff member must agree to comply with the traffic rules and regulations before keeping or operating a vehicle at Pembroke State University. The University reserves the right to withdraw motor vehicle privileges from any person at any time.

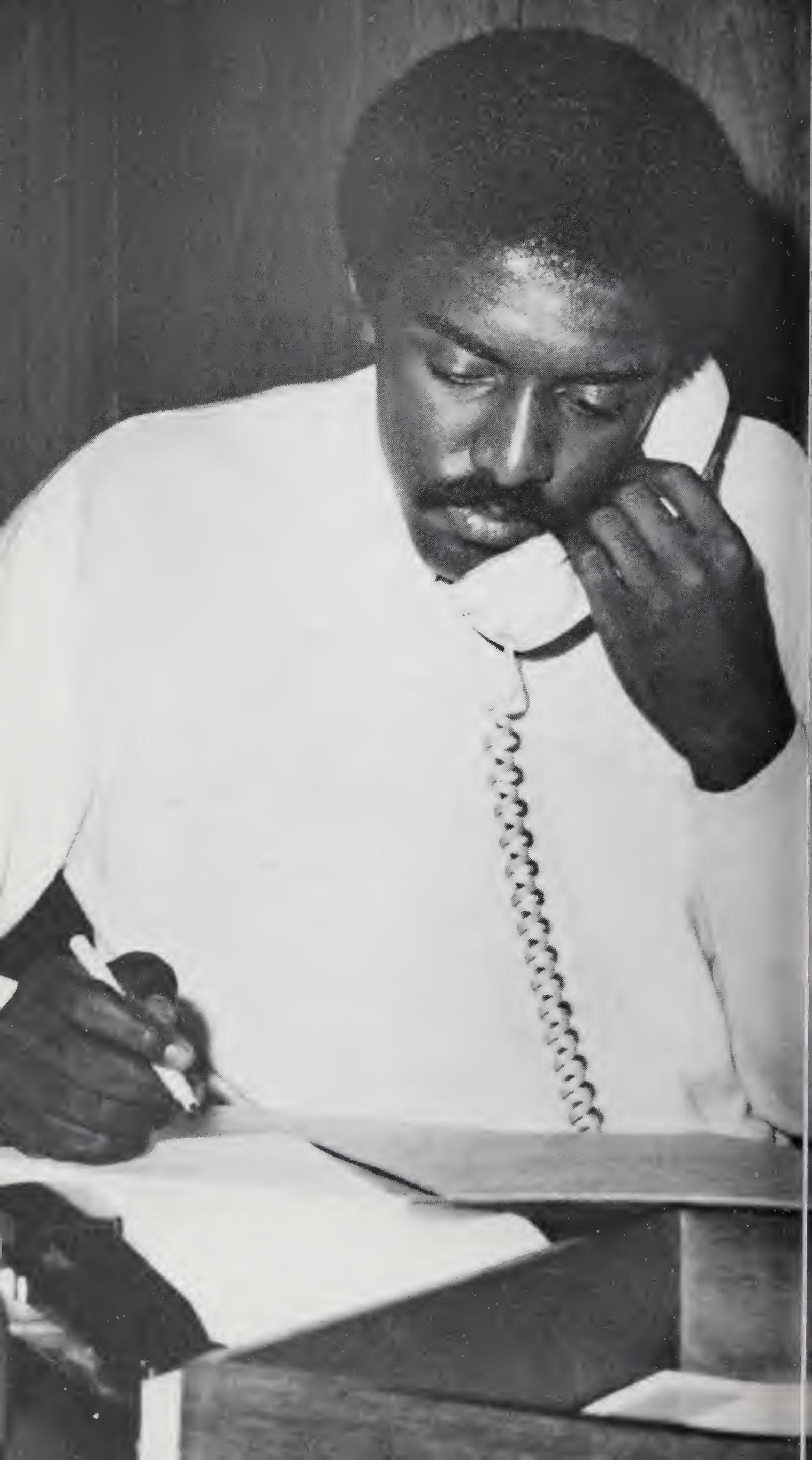
Parking facilities on campus are limited and on many occasions there will not be sufficient parking spaces available to accommodate all vehicles in their respective legal parking zones. In such instances, the driver concerned IS NOT PERMITTED to park in an illegal or restricted zone.

THE TRAFFIC CONTROL COMMITTEE

A Traffic Control Committee is appointed each year by the Chancellor of the University. The Committee consists of six regular members: two students, two faculty, and two staff.

The Traffic Control Committee operates as a policy advisory group and makes recommendations regarding traffic control, parking, vehicle registration, violations, and penalties. The recommendations of this Committee are subject to final approval of the Chancellor.





VII. Student Finances

VII. STUDENT FINANCES

FINANCIAL AID

Pembroke State University makes every effort within the limitations of its available financial aid resources and University and federal regulations to provide assistance to students who, without aid, would be unable to begin or continue their college education. Financial assistance is available in the form of scholarships, grants, loans, and part-time employment.

Financial aid is awarded on the basis of academic achievement and demonstrated financial need. The first responsibility of financing a student's education rests with the student and the student's family. A student's parents are expected to contribute towards his or her expenses insofar as they are able from income and assets. A student is expected to provide funds for his or her own education through savings, summer work, and other resources. Each student is considered individually on the basis of the family financial situation. The financial need of a student is determined by the resources available to the student and the University expenses. Since a student's financial aid award reflects the student's financial situation, it is confidential information and should not be made public by the University, the recipient or anyone else.

All applicants for financial aid are required to complete the Financial Aid Form and the Financial Aid Form Supplement. These forms may be obtained from high school guidance counselors after January 1. The Financial Aid Form should be completed and mailed to College Scholarship Service, Box 2700, Princeton, NJ 08541 no later than March 1.

To be eligible to receive financial assistance, a freshman must meet all the requirements for admission as a regular student to Pembroke State University. Upperclassmen and transfer students must be in good scholastic standing.

SCHOLARSHIPS

Academic Scholarships

The alumni and friends of Pembroke State University have provided funds to aid students who demonstrate above average academic ability and who are in financial need. The awarding of these scholarships is the responsibility of the Financial Aid Officer with the approval of the Faculty Scholarship and Student Assistance Committee.

Athletic Scholarships

The Alumni of Pembroke State University have provided funds to aid young athletes who show exceptional skill in the area of intercollegiate sports. The awarding of these scholarships is the responsibility of the respective coaches in cooperation with the administrators of the University.

The Student Government Association of the University provides some funds, earned through the rental of refrigerators to dormitory residents, for academic

and athletic scholarships. The awarding of these scholarships is the responsibility of the Financial Aid Officer with the approval of the Faculty Scholarship and Student Assistance Committee.

Max M. Weinstein Memorial Scholarship

This scholarship is awarded annually to a history major selected by the faculty of the History Department. The recipient is selected on the basis of scholarship and need.

Sociology Scholarship

This scholarship is awarded annually to a sociology major selected by the faculty of the Sociology Department. The recipient is selected on the basis of scholarship and need.

Lumberton Coca-Cola Bottling Company Scholarship

Scholarships in the amount of \$400 each are offered annually by the Lumberton Coca-Cola Bottling Company, Lumberton, North Carolina. These scholarships are awarded to North Carolina residents on the basis of need and scholarship.

Singer-Swinger Scholarship

A fund was established by the Singers and Swingers to provide financial assistance to students who are enrolled in one or more of the music performing groups on the Pembroke State University campus. These scholarships are awarded by the Music Scholarship Committee on the basis of financial need, talent, and the needs of the University. The Music Scholarship Committee is made up of the presidents of the choir and band, plus three faculty members.

Margaret S. Jones Endowed Scholarship Fund

This fund was established by friends of Pembroke State University in honor of Mrs. Margaret S. Jones, wife of former chancellor Dr. English E. Jones, to aid students in obtaining their educational goals.

Reba M. Lowry Endowed Scholarship

Established by Ira Pate Lowry in memory of his wife, Mrs. Reba M. Lowry, who served Pembroke State University for many years as Dean of Women and Chairman of the Department of Foreign Languages. \$500 is awarded annually to a student based on scholarship and need.

C.M. and M.D. Suther Scholarship

A C.M. and M.D. Suther Scholarship is awarded annually to a full-time North Carolina resident undergraduate student on the basis of academic standing and financial need. Recipients are chosen by the financial aid office. Awards are non-renewable and vary in amount according to income available from the trust.

Delta Kappa Gamma Scholarship

This scholarship is awarded annually to a woman majoring in education by the Delta Kappa Gamma Sorority of Fairmont, N.C. The recipient is selected through her application, scholastic records and faculty recommendation.

Walter L. Weisberg Memorial Scholarship in Political Science

This scholarship was established by the Weisberg family in memory of Walter L. Weisberg, a professor of Political Science at Pembroke State University, 1975-1981. Individuals selected for the scholarship will be selected by the faculty of the Political Science Department on the basis of academic achievement.

Mary Hoyland Livermore and Russel Hayes Livermore Scholarship

Mrs. Hoyland Jennings, of Lumberton, has established two scholarships as memorials to her aunt and father. One is administered through the Department of American Indian Studies; the other, through the Department of Communicative Arts. Both are to be awarded to students capable in American Indian literature and related studies.

North Carolina Tuition Grants

Funds for tuition grants, allocated by the North Carolina Legislature, are made available on an annual basis to residents of North Carolina in attendance at Pembroke State. These grants are limited to basic tuition costs.

Pell Grants (Replaces Basic Educational Opportunity Grants)

This program is for students who have financial need. The U.S. Government fixes the amount of financial assistance a student may receive under the Pell Grant on the basis of need. These grants are awarded upon enrollment in good standing in an institution of higher education. Applications are available in the University's financial aid office and any high school guidance counselor's office. To apply for a Pell Grant a student must complete the appropriate application and indicate in the appropriate section that (s)he wants to be considered for a Pell Grant. A Student Aid Report will be sent to the student's home address. The student must submit all copies of the Student Aid Report to the Financial Aid Office whether or not (s)he is eligible for a grant.

Supplemental Educational Opportunity Grants

The purpose of this program is to provide Supplemental Educational Opportunity Grants to students who have demonstrated need, and who would be unable to enter or remain in college without such assistance. Recipients must show academic or creative promise. The grant may be renewed for each year of undergraduate study for a period of up to four years, if the student continues to qualify for assistance. Students must reapply each year.

North Carolina Student Incentive Grant Program

This program is administered by College Foundation, Inc. Funds are provided to the Foundation by the North Carolina State Education Assistance Authority under the 1965 Higher Education Act, as amended, from state and federal appropriations. To qualify for a North Carolina Student Incentive Grant, a student must be a legal resident of North Carolina, be accepted for enrollment as a regular student, or be enrolled full-time in good standing in an undergraduate program, and demonstrate a "substantial financial need" as determined through the need analysis system of College Scholarship Service

or American College Testing Program. Grants are based on individual student's demonstrated need in relation to resources and the cost of education, but may not exceed \$1,500 per academic year.

To apply for NCSIG, the student's parents and/or the student and spouse must complete the Financial Aid Form (FAF) and enter North Carolina Student Incentive Grant Program Code 0742 in the section for listing institutions and programs to receive a copy of the FAF. All North Carolina residents are encouraged to apply for this grant.

All students applying for the NC Student Incentive Grant should also apply for the Pell Grant.

Vocational Rehabilitation Scholarships

Students who have physical disabilities which constitute vocational handicaps are eligible for scholarships from the North Carolina Vocational Rehabilitation Department. For information, qualified students should write to the Department of Vocational Rehabilitation, Raleigh, North Carolina.

Minority Presence Grant Program

Under the Board of Governors general Minority Presence Grant Program, black students may be eligible for special financial assistance if they are residents of North Carolina, enrolled for two or more courses in a degree program, and demonstrate financial need.

LOAN FUNDS

National Direct Student Loan Program

Assistance is available in the form of loans which bear no interest while the student is enrolled at least half-time in an institution of higher education. Interest begins to accrue at the rate of five (5) percent and payment begins six months after the borrower ceases to be enrolled in at least a half-time course of study. Repayment may be extended over a period of ten years as long as a minimum repayment of \$30 per month or \$90 per quarter is made.

Loans are made to entering freshmen and transfer students who are enrolled as regular students and to returning students who are in good academic standing and who can demonstrate financial need. The National Direct Student Loan Program is funded by the federal government.

N.C. State Scholarship Loan Fund For Prospective Teachers

Students desiring loans of this type should make application to the North Carolina State Department of Public Instruction, Raleigh, North Carolina. This fund provides as much as \$900 per year in financial aid for a prospective teacher.

Memorial Emergency Loan Fund

This is a revolving loan fund. This fund was established through the efforts of Mr. Lacy Maynor, a former Judge of Records Court.

Herbert G. Oxendine Memorial Loan Fund

This fund was established by friends of the late Dr. Herbert G. Oxendine who, for many years, taught at Pembroke State University. Because of Dr. Oxendine's great interest in education and in Pembroke State University, it was the desire of his many friends to establish a fund in his name to aid students in furthering their education.

James Fulton Lowery Memorial Loan Fund

The fund was established in memory of one of Pembroke's business leaders. Mr. Lowery, for many years, was President of the Pembroke State University Alumni Association. It was his desire that every student who wanted to further his education be given the opportunity to do so.

John J. and Steve Brooks Memorial Loan Fund

Mrs. John J. Brooks established this fund as a memorial to her dearly beloved husband and son. Mr. Brooks was an alumnus of this institution and an educator in this county for many years. He was extremely concerned that people be given an opportunity to further their education. Mr. Steve Brooks, their son, was also a student at Pembroke State University.

L. W. Jacobs Memorial Loan Fund

The Mt. Airy and Harpers Ferry Baptist Churches established this fund in honor of Rev. L. W. Jacobs who served this community for over half a century as a pastor and who served as Chairman of the Board of Trustees of Pembroke State University for over thirty years. Rev. Jacobs was keenly aware of the financial problems many students face as they endeavor to continue their education and he believed that all qualified people should be afforded an educational opportunity.

Insured Student Loan Program

The Insured Loan Program in North Carolina is administered by College Foundation, Inc., Raleigh, North Carolina. To obtain an insured loan, a student must provide proof of financial need and be accepted for enrollment or enrolled and in good standing. The interest on a loan is nine percent per year. Borrowers who are determined to have a need will be eligible for payment of the interest by the U.S. Government during the enrollment, grace and deferment periods. All borrowers are responsible for the payment of interest during the repayment period.

Students interested in obtaining a loan under this program may obtain an application from the College Foundation, Inc., 1307 Glenwood Avenue, Raleigh, NC 27605.

Out-Of-State Student Loans

Out-of-state students who are interested in applying for a federally insured student loan should contact their banks or state higher education assistance agencies concerning state administered, guaranteed student loan programs.

STUDENT EMPLOYMENT

The student employment programs help eligible students pay University expenses while attending classes full time. Students participating in the programs are employed with the Maintenance Department, Library, Cafeteria, Switchboard, Administrative and Departmental Offices, and Laboratories.

The student employment programs consist of the University Self-Help Program and the College Work-Study Program which is a federal assistance program. To participate in the programs, a student must have a completed application for aid on file in the Financial Aid Office.

A student's work schedule will depend upon class schedules and can be arranged by the student and his work supervisor. These jobs provide learning opportunities as well as financial aid.

VETERANS

Veterans who enter the University under Chapter 31, Title 38, U.S. Code, Vocational Rehabilitation for disabled Veterans, and have the approval of the Veterans Administration will have their University fees paid directly to the University by the U.S. Government.

Veterans eligible for the G.I. Bill, Chapter 34, Title 38, U.S. Code effective June 1, 1966, and Chapter 32, Title 38, United States code, effective Jan. 1, 1977, must make application for their benefits. For information regarding eligibility, or application forms, contact the Veterans Administration, Regional Office, 251 North Main Street, Winston-Salem, North Carolina or the Financial Aid Office, Pembroke State University. Transfer students on the G.I. Bill should complete VA Form 21E-1955, Request for Change of Program or Place of Training, prior to the time they plan to transfer.

Once the veteran is enrolled, (s)he must attend classes regularly to continue receiving benefits. Each veteran will complete an attendance roster bi-monthly and file with the Financial Aid Office on campus. This will be checked by the Financial Aid Office to assure the VA Regional Office that veterans remain eligible for benefits.

VETERAN DEPENDENTS

Children of disabled or deceased veterans may receive financial assistance in the payment of tuition, room, meals, and other required University fees. For information and application forms, students should write to the North Carolina Department of Veteran Affairs, Raleigh, North Carolina.

Chapter 35, Title 38, U.S. Code provides for the training of sons, daughters, spouses, and surviving spouses of veterans who died in service; who died as a result of a service-connected disability; who became permanently and totally disabled as a result of a service-connected disability; or who have been listed as missing in action, captured, detained, or interned in line of duty by a foreign government or power.

Students enrolling under provisions of Chapters 32, 34 and 35 will pay fees at the time of registration and receive a monthly education and training allowance from the Veterans Administration. Since the first check is usually delayed, a veteran should make arrangements as early as possible.

STUDENT FEES

Tuition and all fees are due and payable in full by registration day for each semester or summer term. Please make checks payable or money orders payable to Pembroke State University.

It is the policy of the administration and trustees to keep the cost of a college education as low as possible. The fees now in effect are, however, subject to change without notice. Since Pembroke State University is maintained by the people of North Carolina for the education of residents of this state, it is available to them at less cost than to nonresidents. The residency status of each student is determined at the time of original admission.

Registration for any semester or session may not be completed until all special or extra fees, fines, payments for lost or damaged articles, etc., incurred in the previous semester or session, have been paid; no transcript of record will be issued until all fees owed have been paid.

TUITION WAIVER FOR PERSONS AT LEAST 65 YEARS OLD

Under the provisions of Chapter 606, 1975 Session Laws, the Board of Governors at its meeting of September 12, 1975, adopted a resolution establishing rules permitting legal residents of North Carolina who have attained the age of 65 and who meet applicable admissions standards to enroll for courses tuition-free on a space-available basis. The 1977 Session of the General Assembly enacted a law effectively re-establishing, but modifying, this tuition waiver privilege established in the 1975 Session for persons at least 65 years old. The 1977 law (Chapter 981, 1977 Session Laws) modified the 1975 law in two respects: (1) it established, rather than merely authorized establishment of, the privilege; (2) it required, rather than prohibited, the counting of these students in the computation of enrollment for State funding purposes. Questions concerning tuition waiver may be directed to the Office for Business Affairs, Pembroke State University.

RESIDENCE STATUS FOR TUITION PURPOSES

The basis for determining the appropriate tuition charge rests upon whether a student is a resident or a nonresident for tuition purposes. Each student must make a statement as to the length of his or her residence in North Carolina, with assessment by the institution of that statement to be conditioned by the following.

Residence. To qualify as a resident for tuition purposes, a person must become a legal resident and remain a legal resident for at least twelve months

immediately prior to classification. Thus there is a distinction between legal residence and residence for tuition purposes. Furthermore, twelve months legal residence means more than simple abode in North Carolina. In particular it means maintaining a domicile (permanent home of indefinite duration) as opposed to "maintaining a mere temporary residence or abode incident to enrollment in an institution of higher education." The burden of establishing facts which justify classification of a student as a resident entitled to in-state tuition rates is on the applicant for such classification, who must show his or her entitlement by the preponderance (the greater part) of the residency information.

Initiative. Being classified a resident for tuition purposes is contingent on the student's seeking such status and providing all information that the institution may require in making the determination.

Parents' Domicile. If an individual, irrespective of age, has living parent(s) or court-appointed guardian of the person, the domicile of such parent(s) or guardian is, prima facie, the domicile of the individual; but this prima facie evidence of the individual's domicile may or may not be sustained by other information. Further, nondomiciliary status of parents is not deemed prima facie evidence of the applicant child's status if the applicant has lived though not necessarily legally resided) in North Carolina for the five years preceding enrollment or re-registration.

Effect of Marriage. Marriage alone does not prevent a person from becoming or continuing to be a resident for tuition purposes, nor does marriage in any circumstance insure that a person will become or continue to be a resident for tuition purposes. Marriage and the legal residence of one's spouse are, however, relevant information in determining residency intent. Furthermore, if both a husband and his wife are legal residents of North Carolina and if one of them has been a legal resident longer than the other, then the longer duration may be claimed by either spouse in meeting the twelve-month requirement for in-state tuition status.

Military Personnel. A North Carolinian who serves outside the State in the armed forces does not lose North Carolina domicile simply by reason of such service. And students from the military may prove retention or establishment of residence by reference, as in other cases, to residency acts accompanied by residency intent.

Grace Period. If a person (1) has been a bona fide legal resident, (2) has consequently been classified a resident for tuition purposes, and (3) has subsequently lost North Carolina legal residence while enrolled at a public institution of higher education, that person may continue to enjoy the in-state tuition rate for a grace period of twelve months measured from the date on which North Carolina legal residence was lost. If the twelve months ends during an academic term for which the person is enrolled at a State institution of higher education, the grace period extends, in addition, to the end of that

term. The fact of marriage to one who continues domiciled outside North Carolina does not by itself cause loss of legal residence, marking the beginning of the grace period.

Minors. Minors (persons under 18 years of age) usually have the domicile of their parents, but certain special cases are recognized by the residence classification statute in determining residence for tuition purposes.

(a) If a minor's parents live apart, the minor's domicile is deemed to be North Carolina for the time period(s) that either parent, as a North Carolina legal resident, may claim and does claim the minor as a tax dependent, even if other law or judicial act assigns the minor's domicile outside North Carolina. A minor thus deemed to be a legal resident will not, upon achieving majority before enrolling at an institution of higher education, lose North Carolina legal residence if that person (1) upon becoming an adult "acts, to the extent that the person's degree of actual emancipation permits, in a manner consistent with bona fide legal residence in North Carolina" and (2) begins enrollment at an institution of higher education not later than the fall academic term next following completion of education prerequisite to admission at such institution."

(b) If a minor has lived for five or more consecutive years with relatives (other than parents) who are domiciled in North Carolina and if the relatives have functioned during this time as if they were personal guardians, the minor will be deemed a resident for tuition purposes for an enrolled term commencing immediately after at least five years in which these circumstances have existed. If under this consideration a minor is deemed to be a resident for tuition purposes immediately prior to his or her eighteenth birthday, that person on achieving majority will be deemed a legal resident of North Carolina of at least 12 months duration. This provision acts to confer in-state tuition status even in the face of other provisions of law to the contrary; however, a person deemed a resident of 12 months duration pursuant to this provision continues to be legal resident of the State only so long as he or she does not abandon North Carolina domicile.

Lost but Regained Domicile. If a student ceases enrollment at or graduates from an institution of higher education while classified a resident for tuition purposes and then both abandons and reacquires North Carolina domicile within a 12-month period, that person, if he or she continues to maintain the reacquired domicile into re-enrollment at an institution of higher education, may re-enroll at the in-state tuition rate without having to meet the usual 12-month durational requirement. However, any one person may receive the benefit of this provision only once.

Change of Status. A student admitted to initial enrollment in an institution (or permitted to re-enroll following an absence from the institutional program which involved a formal withdrawal from enrollment) must be classified by the admitting institution either as a resident or as a nonresident for tuition purposes prior to actual enrollment. A residence status classification once assigned (and finalized pursuant to any appeal properly taken) may be

changed thereafter (with corresponding change in billing rates) only at intervals corresponding with the established primary divisions of the academic year.

Transfer Students. When a student transfers from one North Carolina public institution of higher education to another, he or she is treated as a new student by the institution to which he or she is transferring and must be assigned an initial residence status classification for tuition purposes.

**SCHEDULE OF UNDERGRADUATE EXPENSES PER SEMESTER—
REGULAR SESSION**

Semester Hrs.	In-State	Out-of-State
1	\$ 40	\$ 238
2	40	238
3	61	259
4	61	259
5	61	259
6	101	496
7	212	607
8	212	607
9	252	845
10	252	845
11	252	845
12 or more	291	1,082

For Students Living on Campus

add:

Room and Board	\$660	\$ 660
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Students may select a 15-meal plan, valid seven days a week, at a reduction of \$25 or a 10-meal plan valid seven days a week, for a reduction of \$50. A meal plan is mandatory for dormitory students and changes will not be made after the first week of each semester.

(A returned check charge of \$5 will be levied on each returned check.)

Class attendance is contingent upon completion of financial obligations.

LIST OF FEES

Application Fee	\$ 10.00
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This fee is paid at the time of initial application, is non-refundable, and cannot be applied to meet any other charges.

TUITION
(Per Semester)

Tuition	
North Carolina Residents	135.00
Out-of-State Residents	880.00
Students taking 10 semester hours or more must pay this fee.	

GENERAL FEES
(Per Semester)

Health Services	35.00
This fee is used to operate the University Infirmary. All regular students taking 7 semester hours or more are required to pay this fee. (Student Accident and Sickness Insurance is optional and not included in the fees.)	
Other Required Fees	97.00
This fee is used to support various University programs such as Athletics, Band & Chorus, Dramatics, and Student Center. A portion of these funds are allocated to the Student Government Assoc. to support Student Government activities including Yearbook, Newspaper and Lyceum Series. All students taking 7 hours or more are required to pay this fee.	

MISCELLANEOUS FEES

Room and Board	660.00
Graduation Fee (Undergraduate)	25.00
(Graduate)	35.00
This fee must be paid at the time the student makes application for graduation. It is used to pay for the cap, gown and diploma. This is a non-refundable fee.	
Late Registration Fee	5.00
Students who register for classes after the scheduled registration date has passed must pay this fee.	
Change of Course Fee	2.00
Students who voluntarily drop or add courses after the first day of classes in any semester must pay \$2.00 for each course involved.	
Identificaton Card	1.00
This fee is payable at the time your I.D. card is made. The I.D. card is valid for 1 year and is necessary to attend student activity functions. Lost I.D. cards will be replaced for \$2.00.	
Vehicle Registration Fee	10.00
A vehicle registration permit is valid for one full year, commencing August 15. Permits sold after May 31 are \$4.00 and valid for Summer Sessions only.	

Transcript Fee	\$ 1.00
The initial copy of a transcript is free and each additional copy is \$1.00.	

REFUND POLICY

Please allow two weeks for the processing of any refund request.

Tuition and Fees

If a student officially withdraws from the University during a regularly scheduled registration period, (s)he will receive a full refund of tuition and fees, except for a registraton fee of \$10.00.

After the end of the registration period, refunds for tuition and fees, except registration fee, will be made on a pro-rata basis.

No refund will be made for dropped courses unless it occurs during the regularly scheduled registration period, except during summer sessions.

No refunds under any condition will be made after the midpoint of the semester.

No degree or transcript of credits will be furnished until all financial obligations to the University have been satisfied.

Room and Board

If a dormitory student moves out of the dormitory prior to the close of registration, a \$25.00 penalty will be charged and the room deposit will also be forfeited. Meals will be prorated on a weekly basis.

No refunds for housing or meals will be made after registration unless the student *officially withdraws* from school. It will be prorated on a weekly basis. No refunds for housing will be made after mid-semester under any condition.

Dormitory Deposit

1. Students living in dormitory—The \$25.00 dormitory deposit (less breakage) will be refunded provided:
 - (a) The student has notified the Housing Office in writing on or before the first Monday after Thanksgiving Holidays that (s)he will not need the room for the following Spring semester, or,
 - (b) The student has notified the Housing Office in writing on or before April 15 that (s)he will not need the room for the following Fall semester.
2. Incoming new students—The dormitory deposit will be refunded provided the Housing Office has been notified in writing by July 15 (or iwthin 10 days after acceptance) that (s)he is cancelling the room reservation for the Fall semester.

Exceptions will be made only for draft into the military, physical incapacitation, and academic ineligibility. In each situation, the Housing Office must be provided written proof. Failure to comply with the above will result in forfeiture of the room deposit.



VIII. Courses of Instruction

Undergraduate Programs

AMERICAN INDIAN STUDIES

Chairman: ADOLPH L. DIAL

DAVID K. ELIADES
ROBERT K. GUSTAFSON
ROBERT W. REISING

JOHN RIMBERG
RALPH L. STEEDS
ROBERT HERSCH

Pembroke State University had an humble beginning in 1887 as an institution for the American Indian. For more than half a century the institution served only the American Indian.

The University feels a responsibility for offering to the people, both Indian and non-Indian, a program in the history of the American Indian and one that will also deal with the complexities of contemporary Indian affairs.

The Department offers a minor of twenty-one semester hours with AIS 210 or HST 210 as a required course. Students are encouraged to select courses that touch on as many different aspects of Native American history and culture as possible.

COURSES (AIS)

INTERDEPARTMENTAL

201. American Indian Culture

A survey of American Indian traditions, aspirations, and contributions through the study of poems, speeches, legends, stories, and novels written by American Indians; through the study of Indian art forms and music; through attending play and outdoor dramas in which Indians play a significant role; and through film study and review. Fall, Spring, Summer. Credit, 3 semester hours.

239. American Indian Education

A survey of Indian education in the United States beginning with the missionary effort to Christianize Native Americans. Special emphasis will be devoted to the effort of the Bureau of Indian Affairs as well as non-reservation programs. Fall, Spring. Credit, 3 semester hours.

301. Contemporary Problems of American Indians

A study of Indian-white contacts, the impact of federal policy on American Indians, and the adaption of American Indian cultures to contemporary economic and social conditions, national in scope with emphasis on the southeastern tribes. Fall, Spring, Summer. Credit, 3 semester hours.

302. Workshop in American Indian Studies

A workshop designed especially for elementary and secondary school teachers. Special emphasis will be given to aspects of Indian history, textbooks and their treatment of the American Indian and contemporary Indian problems. Consideration will also be given to Native American writers, to Indian culture and to the changing lifestyle of the people. Topics of special interest will be discussed. General procedure will be determined by the interest and enthusiasm of the group. Summer. Credit, 3 semester hours.

360. Lumbee Culture

A study of Lumbee culture—the achievements and aspirations of the nation's largest American Indian group east of the Mississippi. While the focus will be primarily historical, all facets of Lumbee culture will be treated including the economic, political, and religious structure of the people, as well as their artistic and literary accomplishments. Spring. Credit, 3 semester hours.

455. American Indian Historical Sites

The Historical Sites Study will stress American Indian culture and will include visits to museums, reservations and historic sites. Summer. Credit, 1-4 semester hours.

ANTHROPOLOGY**202. Introduction to Cultural Anthropology (SOC 202)**

A survey of the various processes and conditions involved in cultural growth and change, including the relation between technology, religion, art, literature, language, and personality development. Emphasis is placed on human ecology and contacts between cultures. Fall. Credit, 3 semester hours.

358. American Indians Before Columbus (SOC 358)

Designed to trace the life and times of America's original inhabitants. Emphasis will be placed upon the Indians of North America, and especially the Southeastern United States. Students will have the opportunity to visit and participate in an archeological excavation. Spring of 1983-84 and alternate years. Credit, 3 semester hours.

ART**427. American Indian Art History (ART 427)**

A survey course of the range of artistic expression of the North American Indians, from prehistoric to the 20th century. The course will cover paintings, sculpture, types of habitation, crafts, and ceremonial arts. Fall. Credit, 3 semester hours.

COMMUNICATIVE ARTS (LITERATURE)**220. American Indian Literature (CMA 220)**

An introduction to Native American Literature. Texts written, collected or edited by Native Americans will be used whenever possible. Spring, Summer. Credit, 3 semester hours.

450. Seminar in Native American Literature (CMA 450)

A study of selected topics in American Indian literature. Fall. Credit, 3 semester hours.

HISTORY**210. History of the American Indian (HST 210)**

A survey of the major Indian cultures in North America with emphasis on those located in the eastern half of the United States. Fall, Spring, Summer, Credit, 3 semester hours.

319. History of the American Indian in North Carolina (HST 319)

An examination of selected topics concerning the most significant Indian cultures and tribes in North Carolina, with emphasis on the Cherokee, Catawba, Tuscarora, and Lumbee peoples. Fall, Spring, Summer. Credit, 3 semester hours.

324. Indians of Latin America (HST 385)

A study of the history, culture, and contemporary achievements of the Indians residing south of the Rio Grande. Fall. Credit, 3 semester hours.

325. Indians of the Southeast

A thorough examination of the history, culture, interactions, and present condition of the major tribes of southeastern America. Fall. Credit, 3 semester hours.

401. Colloquium on American Indian History

Prerequisite: Permission of the instructor.

Investigations into selected topics in American Indian history through the reading of significant books, discussions, and supplementary reports. Fall, Spring, Summer. Credit, 3 semester hours.

402. Federal Policy and the American Indian

Prerequisite: Permission of the instructor.

A study of federal policy as it relates from the Colonial period to the present. Fall. Credit, 3 semester hours.

RELIGION**213. American Indian Traditions (REL 213)**

A study of the development of the religious beliefs and practices of the American Indian. Fall, Spring. Credit, 3 semester hours.

ART

Chairman: PAUL VAN ZANDT

RALPH L. STEEDS

KATHERINE M. PASCO
BONNIE DEUTSCH

The Department of Art fulfills an ever-increasing need by contributing to the cultural life and experiences of the whole University, as well as providing many opportunities for the artistic, intellectual, and spiritual development of those who have chose a fine art as a professional goal. Art develops an understanding and an appreciation of the beauty of everyday life. The Art Department provides the gifted student with a professional foundation as an artist and as a teacher.

In conjunction with other parts of the University, the Art Department offers the following programs leading to the Bachelor of Arts degree and the Bachelor of Science degree with teacher education certification for teaching at the K-12 level.

Before graduating from either program, a senior is required to present an acceptable exhibition of his work from his area of concentration.

Requirements For a Bachelor Of Arts Degree

	Sem. Hrs.
Basic Studies Requirements (p. 59)*	50
Major Requirements	
Thirty semester hours of lower level art studios: 100, 101, 102, 105, 109, 111, 132, 133, 140, 151, 250,	
Six semester hours, advanced History of Art	
Twelve semester hours, Area of Concentration: Sculpture, Ceramics, Graphics, or Painting	
Nine semester hours, Area of Secondary Interest: Sculpture, Painting, Ceramics, Graphics	57
Electives	13
Total	120

*Students who plan a major in Art should consult the Department Chairman prior to registering for Basic Studies Courses.

Requirements For a Bachelor of Science Degree With Teacher Education Certification for Teaching At The K-12 Level

	Sem. Hrs.
Basic Studies Requirements (p. 59)*	50
Major Requirements	
Thirty semester hours of lower level art studios: 100, 101, 105, 107, 109,111, 132, 133, 140, 151, 250	
Six semester hours, advanced History of Art	
Nine semester hours, one area of advanced art studio	
Six semester hours, Art Education: 108, 306	51
Professional Education Requirements:	
EDN. 202, 227, 308, 419, 437, 445, 448; Art 400	25
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Total	126

Minor in Art

The Minor in Art is designed to offer a fundamental background in Art for the non-Art major.

Art Minor—18 semester hours

Required core of 12 hours

- ART 101—Elements of Design—3 hours
- ART 111—Introduction to Ceramics—3 hours
- ART 132—Introduction to Drawing—3 hours
- ART 306—Crafts for Secondary Education—3 hours

Plus 6 hours Art electives (May be taken after necessary prerequisite where applicable.)

COURSES (ART)

- 100. **Art Concepts**
A study of the theories and philosophies of the visual arts. An introductory analysis of visual art concepts with emphasis on contemporary theories and their relationships to the history of art. A directed readings and seminar course aimed at developing an awareness of visual art and individual concepts of creative endeavor. Fall. Credit, 2 semester hours.
- 101. **Elements of Design**
A study and application of design principles in creative two-dimensional projects in line, value, color and texture. Fall. Credit, 3 semester hours.
- 102. **Three-Dimensional Design**
Prerequisite: ART 101.
A study and application of design principles in creative three-dimensional projects in mass and space using various materials. Spring. Credit, 3 semester hours.

- 105. Introduction to Sculpture**
A survey course aimed at studying the problems of mass and space in sculpture. Various materials and sculptural techniques will be explored. Fall. Credit, 3 semester hours.
- 107. Photography**
An introduction to the basic technical and aesthetic principles of still and motion photography. Fall. Credit, 3 semester hours.
- 108. Art Education in the Public Schools**
A study of arts and crafts as an integral part of teaching the elementary grades. Acquaintances with various tools and media for two and three-dimensional art work. A special emphasis placed on the philosophy of motivating and teaching art to children, using existing foundations of art and education. Fall, Spring. Credit, 3 semester hours.
- 109. Figure Drawing**
A course to introduce the student to the figure as an art form. Various techniques will be explored. Fall. Credit, 3 semester hours.
- 111. Introduction to Ceramics**
Introduction to basic forming and decorating methods of ceramics. The student will study mixture glazes from recipes. Basic firing procedures and ceramic aesthetics will be introduced. Fall, Spring. Credit, 3 semester hours.
- 132. Introduction to Drawing**
A course designed to acquaint the student with the basic principles of media and terminology of drawing. Fall, Spring. Credit, 3 semester hours.
- 133. Introduction to Painting**
An introduction to color, structure and pictorial organization. Various techniques and group criticism will be implemented. Fall, Spring. Credit, 3 semester hours.
- 140. Introduction to Graphics**
A survey course aimed at the study of basic techniques and procedures in graphic arts. Studio projects include problems in intaglio, lithography, wood cuts and wood engravings. Fall, Spring. Credit, 3 semester hours.
- 151. Lettering I**
An introduction to calligraphy and the techniques of one stroke brush lettering, speedball pen and constructed lettering, spacing and lettering application in graphic layout. Spring. Credit, 1 semester hour.
- 205. History and Appreciation of Art**
To establish an understanding of art, to develop an appreciation for the relation between art and man, and to study art in a cultural environment. Fall, Spring. Credit, 3 semester hours.
- 210. Introduction to Jewelry**
Prerequisite: ART 132.
A course designed to equip the student with the basic knowledge of jewelry formation using silver construction techniques. Fall, Spring. Credit, 3 semester hours.

220. Intermediate Jewelry

Prerequisite: ART 210

A course designed to equip the student with the basic knowledge of complex jewelry formation and decoration using construction and casting techniques. Fall, Spring. Credit, 3 semester hours.

224. Arts and Crafts for Teachers of the Mentally Retarded

A study of the performance of the slow learning child in art. A survey of art techniques and procedures. An exploration into methods of presenting ideas and materials as related to attention spans, motivation, readiness, effects of reward and need satisfaction. A special emphasis placed on methods of presenting art as an activity interacting with the total environment. Spring. Credit, 3 semester hours.

225. Arts and Crafts for Early Childhood

Lecture and discussion course concentrating on techniques of motivation, as they apply to early childhood education. Fall, Spring. Credit, 3 semester hours.

250. Communication Design

Prerequisite: ART 151.

An introduction to applied lettering, layout, illustration, typography and general graphic design. Spring. Credit, 3 semester hours.

306. Crafts for Secondary Education

A course of craft projects which cover: (a) the use of basic materials such as wood, metal, cloth, etc.; (b) the aesthetic principles of design as applied to these projects; (c) how such craft projects may be effectively presented at the secondary level. Spring. Credit, 3 semester hours.

315. Advanced Sculpture I

Prerequisite: ART 105.

A study and application of three-dimensional principles and technique to formulate a creative expression. Spring. Credit, 3 semester hours.

316. Advanced Sculpture II

Prerequisite: ART 315.

Advanced study in sculpture devoted to developing skills, techniques, and exploration of new materials. Spring. Credit, 3 semester hours.

320. Advanced Figure Drawing

Advanced study of the figure as an art form. Spring. Credit, 3 semester hours.

331, 332. Advanced Drawing and Painting

Prerequisites: ART 132, 133

A course designed to broaden perceptive awareness in the areas of composition, space and color theory. Fall, Spring. Credit, 3 to 6 semester hours.

341. Advanced Ceramics I

Prerequisite: ART 111.

A studio course in which wheel-thrown pottery is emphasized. Fall, Spring. Credit, 3 semester hours.

- 342. Advanced Ceramics II**
Prerequisite: ART 341.
An advanced study of problems in the production of sets and formulation of original glazes. Fall, Spring. Credit, 3 semester hours.
- 350, 351. Printmaking I**
Prerequisite: ART 140.
Study of relief and serigraphic printmaking processes. Fall, Spring. Credit, 3 to 6 semester hours.
- 360. Problems Seminar I**
Prerequisite: Approval of Department Chairman.
Credit is obtained by successful fulfillment of a contractual agreement between the student, supervising faculty and Department Chairman. As announced. Credit, 1 to 3 semester hours.
- 361. Problems Seminar II**
Prerequisite: Approval of Department Chairman.
A course designed to afford the talented student the opportunity to explore in-depth an area of study not traditionally emphasized in the art curriculum. Credit is obtained by successful fulfillment of a contractual agreement between the student, supervising faculty and Department Chairman. As announced. Credit, 1 to 3 semester hours.
- 400. Public School Art Curriculum**
Study of the origins and development of the public school art curriculum in relationship to the development of arts and crafts as a non-subject field in general education. Exploration into the methods and techniques of teaching art in the public schools, as well as the purchase, selection, and maintenance of all art materials, books, and equipment. Fall. Credit, 3 semester hours.
- 406. Art Anatomy**
A study in surface anatomy, placing an emphasis on figure drawing in various media. Bone and muscular structure will be incorporated. Spring. Credit, 3 semester hours.
- 407, 408. Art Supervision**
Restricted to the advanced major who is supervising only in his area of concentration or secondary interest and has junior or senior standing.
Designed for advanced art majors to obtain experience in directing beginning students in studio techniques. As announced. Credit, 1 to 3 semester hours.
- 409, 410. Printmaking II**
Prerequisites: ART 140 and 350 or 351
Study of intaglio printmaking processes and lithography printmaking processes. Fall, Spring. Credit, 3 semester hours.
- 412. Studies in Visual Literacy (CMA 412)**
Prerequisite: Junior or Senior standing.
Theory and applied studio exercises to increase students' ability to perceive, interpret, understand and create communication in the visual mode. Spring. Credit, 3 semester hours.

415. Advanced Sculpture III

Prerequisite: ART 316.

Advanced study devoted to developing advanced aesthetics and independent motivation in sculpture. Spring. Credit, 3 semester hours.

416. Advanced Sculpture IV

Prerequisite: ART 415.

A course in sculpture devoted to developing the student's creative expression in sculpture according to his own talents and experiences. Spring. Credit, 3 semester hours.

421. Ancient and Medieval Art History

A survey of architecture, sculpture, painting, and other arts from prehistoric times to the Italian Renaissance. Offered once each academic year: Alternate Fall or Spring. Credit, 3 semester hours.

422. Italian Renaissance Art History

A study of the art of the Italian Renaissance. Alternate Fall or Spring. Credit, 3 semester hours.

423. Modern Art History

A study of the artists and art schools that evolved in Europe during the 19th century. Alternate Fall or Spring. Credit, 3 semester hours.

424. Contemporary Art History

A study of the artists, theories and art schools that evolved in Europe in the 20th century. Alternate Fall or Spring. Credit, 3 semester hours.

425. European Art History, 1500-1800

A survey of European painting and sculpture from the Renaissance through the Rococo period except for Italian art. Alternate Fall or Spring. Credit, 3 semester hours.

426. Art History of the United States

A study of painting, architecture and sculpture of the United States from Colonial times to the present with an emphasis on 20th century art. Alternate Spring or Fall. Credit, 3 semester hours.

427. American Indian Art History (AIS 427)

A survey course of the range of artistic expression of the North American Indians, from prehistoric to the 20th century. The course will cover paintings, sculpture, types of habitation, crafts, and ceremonial arts. Fall. Credit, 3 semester hours.

435. Advanced Painting I

Prerequisite: ART 332.

An exploration of the various manners and approaches to creative painting and their relationship to the individual's experience. Fall, Spring. Credit, 3 semester hours.

436. Advanced Painting II

A course for the student's personal development of individual expression in painting. Fall, Spring. Credit, 3 semester hours.

441. Advanced Ceramics III

Prerequisite: ART 342.

An advanced studio in which both wheel-thrown and hand-constructed ceramic forms are emphasized. Fall, Spring. Credit, 3 semester hours.

442. Advanced Ceramics IV

Prerequisite: ART 441.

The assignment of creative ceramic problems in line with individual student interests and needs. Fall, Spring. Credit, 3 semester hours.

451. Advanced Drawing and Graphics

Prerequisite: ART 332.

A course designed to concentrate on the drawing skills, line simplification, and graphic reproduction of creative drawing experiences. Fall, Spring. Credit, 3 semester hours.

460. Problems Seminar III

Prerequisite: Approval of Department Chairman.

Credit is obtained by successful fulfillment of a contractual agreement between the student, supervising faculty and Department Chairman. As announced. Credit, 1 to 3 semester hours.

461. Problems Seminar IV

Prerequisite: Approval of Department Chairman.

A course designed to afford the talented student the opportunity to explore in-depth an area of study not traditionally emphasized in the art curriculum. Credit is obtained by a successful fulfillment of a contractual agreement between the student, supervising faculty and Department Chairman. As announced. Credit, 1 to 3 semester hours.

499. Independent Study in Art

Prerequisites: Introductory course in chosen area and approval of Department Chairman.

Directed reading, research and problem solving in the student's major or secondary area of interest. This course is designed to fulfill individual and specific needs of the art major in his particular area of advanced study. Fall, Spring. Credit, 1 to 3 semester hours.



BIOLOGY

Chairman: ROBERT F. BRITT

JAMES B. EBERT
BONNIE A. KELLEY
DAVID K. KUO

JOSEPH A. MCGIRT
HAROLD D. MAXWELL

The objectives of the Biology Department are to afford students an opportunity to gain an understanding of themselves and their environment and thus prepare themselves for taking a fuller, more satisfying role in society; to train students in their ability to reason inductively and deductively; to encourage original thought; to prepare teachers in the biological sciences for the elementary and secondary school; and to provide a background in subject matter and laboratory skills for curricula in which the fundamentals of the various sciences are used.

Students interested in developing a specialty concentration in Biology should see the Department Chairman for details.

To fulfill the Biology requirement for Basic Studies, the student should take Biology 100, Principles of Biology. Elementary education majors should take Biology 105, General Biology for Elementary Education, to fulfill the basic studies requirement.

Graduation credit will not be given for both Biology 100 and Biology 105.

In conjunction with other parts of the University, the Biology Department offers the following programs leading to the Bachelor of Science degree and the Bachelor of Science degree with teacher education certification at the secondary level.

Preprofessional Curricula For The Health Professions

The preprofessional programs suggested by medical, dental, veterinary, and allied health institutions vary with the specific profession and with the individual professional school involved. Most of these programs do not specify an undergraduate major. In fact, most programs do not have as an absolute requirement the attainment of an undergraduate degree. A number of specific undergraduate courses are required, however. Because a large number of these required courses are housed in the natural sciences, it is traditional for preprofessional students to designate biology as their undergraduate major. A large majority of students that apply and those that are admitted to professional schools are biology undergraduate majors.

Because the requirements of the individual schools vary, it is not possible to develop a common preprofessional curriculum for all interested students. Each student should be familiar with the requirements of the desired professional school(s). For advisement and information concerning specific course requirements, students should contact the departmental health advisor, Dr. Harold D. Maxwell.

MEDICAL TECHNOLOGY PROGRAM

The Biology Department offers a program to its majors in affiliation with hospitals approved by the Council on Medical Education of the American Medical Association which gives by the Board of Registry of Medical Technologists a Medical Technology Certificate. The student completes six semesters of on-campus study and one year of study and training in an affiliated hospital. Undergraduate students enrolled in the fourth year of the program in medical technology must pay University tuition for the fall and spring semesters in order to receive University credit for the work at the affiliated hospital. Admission to hospital study is not automatic but involves an admission and screening process administered by the hospital. Interested students should consult Dr. Harold D. Maxwell of the Biology Department for details.

Requirements for a Bachelor of Science Degree in Biology

	Sem Hrs.
Basic Studies Requirements (p. 59)	50
12 semester hours of Natural Sciences and Mathematics will count toward Basic Studies and toward major requirements	
Requirements for a Biology Major	
BIO 100, 101, 102, 304, 371, 472. (23 semester hours)	
Ten to twelve semester hours elected from one of the following areas of concentration:	
1. Biology: At least one course from two of the three following areas: Biology, Botany, Zoology	
2. Botany: Courses taken from the following: BIO 201, 231, 232, 305, 330, 340, 354	
3. Field Biology and Ecology: Courses taken from the following: BIO 210, 301, 340, 350	
4. Zoology: Courses taken from the following: BIO 203, 211-212, 221, 222, 301, 310, 319, 350, 372, 376, 461	33-35
MAT 107, 108 or 118	6
CHM 100, 101	8
Electives	33-35
Total	120

Requirements for a Bachelor of Science Degree with Teacher Certification

	Sem. Hrs.
Basic Studies Requirements (p. 59)	50
12 semester hours of Natural Sciences and Mathematics will count toward Basic Studies and toward major requirements.	
Must include six semester hours of history and six semester hours of literature.	
Requirements for a Biology Major	
BIO 100, 101, 102, 304, 371, 472. (23 semester hours)	
Ten to twelve semester hours elected from one of the following areas of concentration:	
1. Biology: At least one course from two of the three following areas: Biology, Botany, Zoology	
2. Botany: Courses taken from the following: BIO 201, 231, 232, 305, 330, 340, 354	
3. Field Biology and Ecology: Courses taken from the following: BIO 210, 301, 305, 340, 350	
4. Zoology: Courses taken from the following: BIO 203, 211-212, 221, 222, 301, 310, 319, 350, 372, 376, 461	33-35
MAT 107, 108 or 118	6
CHM 100, 101	8
Professional Education Requirements	
EDN 202, 227, 308, 400, 419, 437, 445, 448	25
Electives	8-10
Total	120

Requirements for a Bachelor of Science Degree in Biology With Emphasis in Medical Technology

	Sem. Hrs.
Basic Studies Requirements (p. 59)	50
12 semester hours of Natural Sciences and Mathematics will count toward Basic Studies and toward major requirements	
Major Requirements	
BIO 100, 101, 102, 211, 212, 304, 315, 371, 472	
CHM 100, 101, 300, 301, 311*, 311L*	
MAT 107, 108	57-61
Clinical work in Approved Hospital	30
Electives	0
Total	125-129

*Strongly recommended but not required.

PRE-PODIATRIC MEDICINE PROGRAM

In affiliation with the Pennsylvania College of Podiatric Medicine, the Department of Biology is able to offer to selected majors an Accelerated Podiatric Medical Education Curriculum (APMEC). The Doctor of Podiatric Medicine degree, awarded by the Pennsylvania College of Podiatric Medicine, is a seven-year program, involving three years of pre-professional and four years of podiatric medical education. Students selected for this program complete three years of a prescribed biology program at Pembroke State University and are awarded the B.S. degree in Biology upon successful completion of the first year of the podiatry curriculum at the Pennsylvania College of Podiatric Medicine.

Admission to the APMEC Program is limited to students attending those institutions formally affiliated with the Pennsylvania College of Podiatric Medicine. Students admitted into the program are generally from rural or underserved areas and are interested in returning to those areas to practice. Pembroke State University is one of eighteen currently affiliated institutions (only three of these are outside the state of Pennsylvania). The Pennsylvania College of Podiatric Medicine has agreed to reserve up to three seats annually for students of Pembroke State University who have satisfactorily completed a prescribed three-year pre-professional curriculum. Completion of the preparatory program does not guarantee admission to the Pennsylvania College of Podiatric Medicine. Admission involves a competitive application process. Students accepted for the study of podiatric medicine must possess exceptional qualification.

Additional information can be obtained from Dr. Harold D. Maxwell of the Biology Department.

Requirements for a Bachelor of Science Degree in Biology Pre-Podiatric Medicine Program

	Sem. Hrs.
Basic Studies Requirements (p. 59)*	50
*12 semester hours of Natural Sciences and Mathematics will count toward Basic Studies and toward major requirements	
Major Requirements	
BIO 100, 101, 102, 211, 212, 304, 371, 461, 472	
CHM 100, 101, 300, 301, 311	
PSY 150, 151	
MAT 107, 108, 221	61
Classroom and Clinical Work at Pennsylvania College of Medicine	30
Electives	0
Total	129

COURSES (BIO)

Biology 100, Principles of Biology, is a prerequisite to all other Biology courses except Biology 105, General Biology for Elementary Education; Biology 207, History of Biology; and Biology 210, Conservation and Environment. These three courses have no prerequisites; however, only elementary education majors are permitted to take Biology 105. Biology 101, General Botany, is a prerequisite for all other botany courses. Biology 102, General Zoology, is a prerequisite for all other zoology courses.

100. Principles of Biology

An introduction to modern and classical biological concepts. Fall, Spring. Three lectures weekly. Credit, 3 semester hours.

101. General Botany

Introductory plant science with emphasis on morphology and physiology of the seed plants and a survey of representative types from the plant kingdom. A prerequisite to all other courses in botany. Fall, Spring. Three lectures and a two-hour laboratory weekly. Credit, 4 semester hours.

102. General Zoology

A study of the major animal systems, processes and phyla. A prerequisite to all other courses in zoology. Fall, Spring. Three lectures and a two-hour laboratory weekly. Credit, 4 semester hours.

105. General Biology for Elementary Education

Restriction: Elementary education majors only.

An introduction to biological concepts applicable to the elementary school curriculum. Fall, Spring. Three lectures and a two-hour laboratory weekly. Credit, 4 semester hours.

201. Economic Botany

A study of the origin, distribution, propagation and use of the economically important plants. Fall of 1983-84 and alternate years. Three lectures weekly. Credit, 3 semester hours.

203. Vertebrate Zoology

The biology of the major groups of vertebrate animals with emphasis on general structural and physiological plans and diversity. A valuable course for any curriculum but strongly recommended for those students who plan to take only one higher level zoology course. Spring of 1984-85 and alternate years. Three lectures and a two-hour laboratory weekly. Credit, 4 semester hours.

207. History of Biology

An introduction to the major ideas of biology and their development. Fall of 1984-85 and alternate years. Three lectures weekly. Credit, 3 semester hours.

210. Conservation and Environment

A study of our natural resources emphasizing: (1) the role natural resources have played in promoting our economic well being, (2) the techniques and policies by which these resources can be intelligently managed and utilized, and (3) the urgency for halting resource abuse and the deterioration of environmental quality. Fall, Spring. Two lectures weekly. Credit, 2 semester hours.

211, 212. Human Anatomy and Physiology

A course covering the structure and function of the human body. Appropriate physiological exercises and dissections of a mammal are performed concurrently in the laboratory. Fall, Spring. Three lectures and a two-hour laboratory weekly. Credit, 4 semester hours each.

221. Comparative Anatomy

Comparative studies of the various organs and systems of vertebrates and laboratory emphasis on the lamprey, dogfish shark, salamander, and the cat. Fall of 1983-84 and alternate years. Two lectures and two two-hour laboratories weekly. Credit, 4 semester hours.

222. Embryology

Early developmental biology leading to organogenesis. Laboratory emphasis on the chick. Spring of 1982-83 and alternate years. Two lectures and two two-hour laboratory periods weekly. Credit, 4 semester hours.

231. Morphology of the Non-Vascular Plants

A comprehensive survey of the algae, fungi, and bryophytes dealing with structure, form, and reproduction. Fall of 1982-83 and alternate years. Three lectures and a two-hour laboratory period weekly. Credit, 4 semester hours.

232. Morphology of the Vascular Plants

A continuation of Biology 231, a survey of the plant kingdom with emphasis on selected types of vascular plants. Spring of 1982-83 and alternate years. Three lectures and a two-hour laboratory weekly. Credit, 4 semester hours.

300. Medical Vocabulary

A course designed to familiarize students with common medical terms through the use of Latin and Greek word parts. Intended primarily for Pre-Medical, Pre-Veterinary and other Pre-health curricula. Fall of 1982-83 and alternate years. Credit, 2 semester hours.

301. Entomology

An introduction to the study of insects. Special emphasis on common insects and on those that are either distinctly helpful or harmful to man. A collection with identification required. Fall of 1982-83 and alternate years. One lecture and two two-hour laboratory periods weekly. Credit, 3 semester hours.

304. Principles of Ecology

An introduction to the principles and materials of ecological research. At least two Saturday field trips are required. Fall, Spring. Two lectures and two two-hour laboratory periods weekly. Credit, 4 semester hours.

305. Introductory Mycology

An introduction to the fungi, with emphasis upon taxonomy and physiology, including some reference to their economic importance. Fall of 1983-84 and alternate years. Two lectures and a two-hour laboratory period weekly. Credit, 3 semester hours.

310. Invertebrate Zoology

A survey of the major invertebrate phyla, emphasizing the marine representatives. At least two Saturday field trips are required. Fall of 1983-84 and alternate years. Three lectures and a two-hour laboratory period weekly. Credit, 4 semester hours.

- 315. Microbiology**
A study of bacteria and other microorganisms, their structure, development and function. Emphasis is placed on the fundamental concepts and techniques in microbiology; such as, isolation, cultivation, observation, morphology, and physiology and nutrition of bacteria. The applications of microbiology, and the role of microbes in nature, and their role in infection and immunity are considered. Spring. Two lectures and two two-hour laboratory periods weekly. Credit, 4 semester hours.
- 319. Animal Parasitology**
An introduction to the classification, morphology, life history, and control of some common parasites. Spring of 1983-84 and alternate years. Two lectures and a two-hour laboratory period weekly. Credit, 3 semester hours.
- 330. Plant Pathology**
A study of the symptoms, causal agents, and control methods of plant diseases, with emphasis on those economically important to this area. Spring of 1982-83 and alternate years. Two lectures and a two-hour laboratory weekly. Credit, 3 semester hours.
- 340. Plant Taxonomy**
An introduction to systematic botany with emphasis on identification of the local vascular flora. Spring of 1983-84 and alternate years. Two lectures and two two-hour laboratory periods weekly. Field trips as announced. Credit, 4 semester hours.
- 350. Ornithology**
Classification and identification of birds; life histories; feeding habits; nesting habits; theories of migration; economic importance. Spring of 1982-83 and alternate years. Two lectures and a two-hour laboratory period weekly. Credit, 3 semester hours.
- 354. Plant Physiology**
A general study of the physiological activities in plants such as the fundamental principles, water relations, metabolism, plant growth hormones, as well as growth and development. Fall of 1982-83 and alternate years. Three lectures and a two-hour laboratory period weekly. Credit, 4 semester hours.
- 371. Cell Biology**
Prerequisites: CHM 100, 101; 300, 301 recommended.
A study of cellular ultrastructure and physiology. Fall, Spring. Three lectures and a two-hour laboratory period weekly. Credit, 4 semester hours.
- 372. Vertebrate Histology and Microtechnique**
A course in the techniques of preparing tissues for microscopic examination. Slide preparation and tissue identification will be emphasized. Spring of 1983-84 and alternate years. Two lectures and two two-hour laboratory periods weekly. Credit, 4 semester hours.
- 376. Endocrinology**
A study of the morphology and physiology of vertebrate endocrine system. Growth, metabolism and reproduction will be emphasized. Spring of 1983-84 and alternate years. Three lectures and a two-hour laboratory period weekly. Credit, 4 semester hours.

380. Comparative Animal Nutrition

A study of the principles of nutrition including the classification of nutrients, the nutritional requirements of different species and the physiological role of various nutrients. Fall of 1982-83 and alternate years. Credit, 3 semester hours.

422. Evolution

Prerequisite: Consent of the instructor.

An introduction to and analysis of the concepts of organic evolution, mutation, adaptation, selection, competition, and origin of species are considered. Fall of 1983-84 and alternate years. Three lectures weekly. Credit, 3 semester hours.

461. Animal Physiology

Prerequisites: CHM 300, 301; and BIO 371 recommended.

A study of physiological principals as they occur throughout the animal kingdom with special emphasis on mammals. A comprehensive study of the mechanisms involved in the maintenance of the homeostatic condition. Spring of 1983-84 and alternate years. Three lectures and a two-hour laboratory period weekly. Credit, 4 semester hours.

472. Principles of Genetics

Prerequisites: CHM 100, MAT 107.

An introductory course. Emphasis is placed on the fundamental principles, the physical and chemical basis of inheritance, genes as units of structure and function, and the qualitative and quantitative aspects of genetic variation. A general survey of human genetics is also considered. Fall, Spring. Three lectures and a two-hour laboratory weekly. Credit, 4 semester hours.

499. Research in Biology

Restriction: Senior biology majors with a quality point average of 3.0 in the major.
Prerequisite: Consent of the instructor and approval of the research proposal by a committee composed of biology faculty.

Designed to provide the student with experience in the analysis and solution of problems in the areas of his major interests. The problem will be presented to the Biology faculty in written form. Fall, Spring, Summer. Credit, 1 to 3 semester hours.

METHODS (BIO)

400. Biology Education, Methods of Teaching Biology

Purposes, methods, materials and evaluation procedures in biology: preparations of teaching plans and materials. Spring. Credit, 3 semester hours.

BUSINESS ADMINISTRATION AND ECONOMICS

Chairman: MICHAEL B. O'BRIEN

GEORGE T. AMMONS
OLLIE BISHOP
GERALD BLAKELY

HAZEL COATES
MAGNOLIA O. GRIFFITH
ROBERT D. MAYNOR
VICTOR W. WOLF

The Bachelor of Science degree may be earned in Business Administration or Business Education, with administration majors concentrating in management, accounting, office administration, or applied science. The Business Education curriculum leads to North Carolina Teacher Certification. The track in Office Administration is designed to prepare students for careers in office occupations and administrative work (e.g. administrative assistant, office manager, etc.). It also offers an exit route for business education majors who do not wish to be certified to teach. In addition, the Department participates in the interdepartmental minor in Personnel and Organizational Leadership. For further details on this program, see p. 254.

A program leading to the Bachelor of Arts degree in Economics is offered. A major in economics at Pembroke State University combines a liberal education with technical specialization and provides students with an excellent background for finding employment in financial institutions, private businesses, and government. The program prepares students for graduate study in business, law, and economics.

Another departmental objective is to render services beyond the University and within its surrounding business community. Through special emphasis on the University's Continuing Education Division, the Department serves many students who might otherwise be unable to attend the regular daytime classes. Further assistance to the immediate area is supplied through departmental aid in providing placement services and special consultation to the business community at large.

The Business Administration and Economics Department strongly recommends that prospective business and economics majors consult a member of its faculty as soon as possible. Sequential courses and prerequisites necessitate early planning.

**Requirements for a Bachelor of Science Degree in Business Administration
with Concentration in Management**

	Sem. Hrs
Basic Studies Requirements (p. 59)	50
Major Requirements*	
BUS 227, 228, 307, 308, 310, 312, 315, 316, 317, 412, 415, 466	
ECN 201, 202, 310	
MAT 107, 118	
CSC 100	54
Electives (at least 9 hours upper level Business Administration or Economics Courses)	<u>16</u>
Total	120

**Requirements for a Bachelor of Science Degree in Business Administration
with Concentration in Accounting**

	Sem. Hrs
Basic Studies Requirements (p. 59)	50
Major Requirements*	
BUS 227, 228, 307, 310, 312, 315, 316, 321, 322, 415, 417, 421, 423, 458, 466	
ECN 201, 202, 301	
MAT 107, 118	
CSC 100	63
Electives	<u>7</u>
Total	120

**Requirements for a Bachelor of Science Degree in Business Administration
with Concentration in Office Administration**

	Sem. Hrs
Basic Studies Requirements (p. 59)	50
Major Requirements*	
BED 202, 203, 213, 214, 225, 303, 305, 313, 403, 453	
BUS 209, 227, 228, 312, 315, 316, 317	
ECN 201, 202	
CSC 100	
CMA 241, 242, 243, or 209 (3 hours required)	63
Electives (at least six hours must be taken from a list of approved courses maintained within the Business Depart- ment).	<u>12</u>
Total	120

*Students may select certain courses that will simultaneously fulfill both Basic Studies and major requirements.

**Requirements for a Bachelor of Science Degree in Business Education
Emphasizing a Comprehensive Business Curriculum (Teacher Education)**

	Sem. Hrs.
Basic Studies Requirements (p. 59)	50
Major Requirements*	
BED 202, 203, 214, 225, 303, 305, 313, 403, 450, 453	
BUS 209, 227, 228, 312, 315, or 316	
ECN 201, 202	
CSC 100	51-54
Professional Education Requirements	
EDN 202, 227, 308, 400**, 437, 419, 445, 448	25
Electives	0
Total	126-128

**Requirements for a Bachelor of Science Degree in Applied Science in
Business Administration**

	Sem. Hrs.
Basic Studies Requirements (p. 59)	50
Credit granted on the degree of the Associate in Applied Science	60
An individualized program of study based on 300 and 400 level courses in Business Administration and Economics following the guidelines on page 36.	15
Total	125

Requirements for a Bachelor of Arts Degree in Economics

	Sem. Hrs.
Basic Studies Requirements (p. 59)	50
Major Requirements*	
ECN 201, 202, 301, 310, 330, 401, 408 and at least fifteen (15) additional semester hours of Economics from the 300 level and above.	
MAT 107, and 108 or equivalent.	
MAT 221 is required.	46
Electives	24
Total	120

*Students may select certain courses that will simultaneously fulfill both Basic Studies and major requirements.

*Methods 400 must be taken in the Business Department.

COURSES

BUSINESS ADMINISTRATION (BUS)

209. Introduction to Business

A survey and operational analysis of business administration and organization. Consideration is given to such topics as legal forms of business, management, marketing, risk, accounting, statistics, and governmental regulation. A general course designed for all students. Fall. Credit, 3 semester hours.

227, 228. Principles of Accounting I and II

Introduction to accounting. The study of the basic accounting equation, transaction analysis and financial statements. Fall, Spring. Credit, 3 semester hours each.

230. Income Tax Procedure

Introduction to the taxation of income and to Social Security taxes. The preparation of individual income tax returns. A general course designed for all students. Spring. Credit, 3 semester hours.

303. Business Communications (CMA 303)

Development of skill in the fundamentals of effective communication and detailed study of principles and application of business letters and business writings, including business reports and other forms of business communication. Fall. Credit, 3 semester hours.

307. Principles of Management

Introduction to the classical, behavioral and management science philosophies of management. Emphasis upon planning, organizing, motivating, and controlling. Practical application of theories and mathematical models. Fall, Spring. Credit, 3 semester hours.

308. Organizational Theory and Behavior

Prerequisite: BUS 307.

Study of the formal and informal processes that take place within organizational entities. Course includes the study of bureaucracy, organizational effectiveness, organizational climate, communication structure, and the role of the individual. Fall or Spring. Credit, 3 semester hours.

310. Business and Economic Statistics

Prerequisite: MAT 118.

A study of statistical techniques including sampling, estimating unknown parameters, projecting time-series trends, correlation and regression analysis, index construction, and probability theory. Spring. Credit, 3 semester hours.

312. Marketing Management

Prerequisite: ECN 201.

Basic principles of marketing. Emphasis is placed on consumer's role in marketing and on the marketing environment. The basic product, place, price, and promotion decisions are examined. Fall, Spring. Credit, 3 semester hours.

315. Business Law I

The general principles of business law, including contracts, negotiable instruments, partnerships, and corporations. Fall. Credit, 3 semester hours.

316. Business Law II

The general principles of business law, including personal and real property, mortgages, insurance, bankruptcy, suretyship and trade regulations. Spring. Credit, 3 semester hours.

317. Managerial Accounting

Prerequisite: BUS 228.

An introductory study of internal accounting with emphasis on cost analysis and budgeting. The course stresses the attention-directing and problem-solving function of accounting in relation to current planning and control, evaluation of performance, special decisions, and long-range planning. Fall, Spring. Credit, 3 semester hours.

321. Intermediate Accounting I

Prerequisite: BUS 228.

A review of financial accounting procedures, and a detailed study of selected sections of the balance sheet and income statement. Consideration is given to the procedures required for proper financial statement presentation as prescribed by the AICPA and FASB. Fall. Credit, 3 semester hours.

322. Intermediate Accounting II

Prerequisite: BUS 321.

Continuation of BUS 321 covering liabilities and capital accounts, the funds flow statements, statement analysis, error correction, and price level adjusted statements. Spring. Credit, 3 semester hours.

34. Computer Programming-Business Oriented Language: COBOL

Actual experience in computer programming using an algorithmic language. Spring. Credit, 3 semester hours.

36. Computer Programming-Business Oriented Language: RPG

Actual experience in computer programming using an algorithmic language. Spring. Credit, 3 semester hours.

37. Experiential Learning I

Prerequisite: Consent of Department Chairman.

Practical work experience for business majors. Fall or Spring. Credit, 1 to 3 semester hours.

38. Office Management

Designed for training students to meet situations which will confront them in the modern business office; office standards, office control, physical facilities, general nature of office work, office personnel, modern labor organizations, wage determination, collective bargaining, public regulations. Spring. Credit, 3 semester hours.

38. Personnel Management

Prerequisite: BUS 307 is recommended but not mandatory.

Study of personnel recruitment, selection, testing, management development, performance evaluation, union-management relations, wage and salary administration, employee benefits and other areas of major concern to personnel managers and staff. Fall or Spring. Credit, 3 semester hours.

412. Marketing Policy and Decisions

Prerequisite: BUS 312.

Study of selected marketing topics including product differentiation, market segmentation, market research, and consumer behavior. Considers effect of the marketing mix and the development of total marketing strategy. Fall or Spring. Credit, 3 semester hours.

414. Market Research and Consumer Behavior

Prerequisite: BUS 310, 312.

A survey course of the two related areas of marketing. Consumer Behavior will include buyer roles, motivation, and attitudes. Market Research will include sampling and survey techniques, questionnaire design, and statistical inference. As announced. Credit, 3 semester hours.

415. Financial Management

Prerequisite: BUS 228.

The basic principles of financial management as they apply to various forms of business organization: financial planning and control, short and intermediate term credit, sources of capital, and expansion and growth. Fall, Spring. Credit, 3 semester hours.

416. Investments and Personal Finance

Investment alternatives available to the individual: insurance programs, real estate and securities. Emphasis on the analysis of securities and the operation of the securities market. Fall or Spring. Credit, 3 semester hours.

417. Income Tax Accounting

Prerequisite: BUS 228.

A technical treatment including partnership and corporation reporting of income to the federal government. Fall. Credit, 3 semester hours.

421. Advanced Accounting

Prerequisite: BUS 322.

Mergers and acquisitions accounting as well as preparation of consolidated statements after acquisition. Special accounting problems in consolidated financial statements, partnerships, pension funds, fund accounting, and fiduciary accounting. Fall or Spring. Credit, 3 semester hours.

423. Cost Accounting

Prerequisite: BUS 228

Cost determination and analysis, cost control, and cost-based decision-making. Included are such topics as direct and indirect cost, application of burden, and responsibility accounting. Fall or Spring. Credit, 3 semester hours.

438. Experiential Learning II

Prerequisites: BUS 337 and consent of Department Chairman.

Practical work experience for business majors. Fall or Spring. Credit, 1 to 3 semester hours.

441. Production Management

Prerequisites: BUS 307, 310.

Operations analysis is presented through a study of production models. Analytical techniques are applied to production problems. Fall. Credit, 3 semester hours.

158. Auditing

Prerequisite: BUS 322.

The theory and application of generally accepted auditing standards used in the examination of financial statements are the areas of primary concern. The role of internal control review, A.P.N. opinions working papers, audit programs, and the auditor's liability are considered along with selected case studies. Fall or Spring. Credit, 3 semester hours.

165. Business Decisions Under Uncertainty

Prerequisites: BUS 307, 310.

An analysis of decision-making in the face of uncertainty under various competitive conditions. Fall. Credit, 3 semester hours.

166. Business Policy

Prerequisites: BUS 307, 312, 415.

Decision-making and analysis of complex business problems. Integrates knowledge from all functional areas of business and economics including managerial economics, management science, marketing, finance, and accounting. Fall or Spring. Credit, 3 semester hours.

BUSINESS EDUCATION (BED)**201. Beginning Typewriting**

The development of fundamental skills of typewriting including: the touch system of typing with a mastery of the keyboard, the ability to accurately type business and personal letters, reports, tabulation problems, and the ability to apply correct English usage to typewritten materials. Fall or Spring. Credit, 3 semester hours.

202. Intermediate Typewriting

Further emphasis on basic typewriting skills. The development of skills in the areas of duplicating, preparation of office forms, business letters, manuscripts, compositions, and other forms of business correspondence. Fall or Spring. Credit, 3 semester hours.

203. Advanced Typewriting

Emphasis on sustained production of various kinds of typewriting problems encountered in the modern business office. Fall or Spring. Credit, 3 semester hours.

213, 214. Beginning Shorthand I and II

Fundamental principles of Gregg shorthand with special emphasis on accuracy and speed. Practice work in dictation and transcription. Ability to take dictation at 80 words a minute and to transcribe easily and accurately. Three lectures and two laboratories weekly. Fall, Spring. Credit, 3-6 semester hours.

225. Modern Business Mathematics

A review of the basic mathematical and statistical concepts needed to understand modern business activities. Topics covered include interest and discount calculations, compound interest and present value, and introductory descriptive statistics. Fall or Spring. Credit, 3 semester hours.

303. Business Communications (CMA 303)

Development of skill in the fundamentals of effective communication and detailed study of principles and application of business letters and business writings, including business reports and other forms of business communication. Three lectures weekly. Fall. Credit, 3 semester hours.

305. Business Machines

Development of vocational proficiency in the following office machines: Ten-key adding listing machines, rotary calculator, printing calculator, electronic calculator, dictation and transcription equipment, and liquid and spirit process duplicators. Three laboratories weekly. Spring. Credit, 3 semester hours.

313. Advanced Shorthand

A second-year course in shorthand, consisting of rapid dictation and rapid transcription. Mastery of principles of Gregg shorthand. Ability to take dictation at a rate of 100 to 120 words a minute. Three lectures and two laboratories weekly. Fall. Credit, 3 semester hours.

400. Methods of Teaching Business Education

Purposes, methods, materials, techniques and evaluation procedures in business education. Preparation of teaching plans and materials. Spring. Credit, 3 semester hours.

450. Principles and Problems of Business Education

Aims and objectives of business education. Evaluation of various business curricula in relation to modern education philosophy, trends and problems in business education, and findings in research in business education. Three lectures weekly. Spring. Credit, 3 semester hours.

453. Secretarial Office Practice

A terminal course required of all business education majors. It is designed to consolidate office attitudes, knowledge, and skills in order to give each student a comprehensive understanding and their relation to other areas of business. This course to include instruction in filing, the use of business forms, and an acquaintance with the newest, essential office machines. One lecture and three laboratories weekly. Fall. Credit, 3 semester hours.

ECONOMICS (ECN)**201. Principles of Economics I**

This course provides an overall picture of the operation of our economy. The following topics are emphasized: introduction to American capitalism, national income, level of employment, fiscal policy, monetary policy, and economic growth. Fall or Spring. Credit, 3 semester hours.

202. Principles of Economics II

Prerequisite: ECN 201.

This second part of the principles course in economics concentrates on the determination of prices in competitive and monopolistic markets, the distribution of income along functional lines, international economics systems. Fall or Spring. Credit, 3 semester hours.

06. Economic Geography (GGY 206)

The same course as GGY 206. Spring. Credit, 3 semester hours.

01. Intermediate Micro-economic Theory

Prerequisites: ECN 201, 202.

Price determination and income distribution in a market economy. Fall. Credit, 3 semester hours.

04. Money and Banking

Prerequisites: ECN 201, 202.

A study of financial institutions and their role in the economy, and an analysis of the functions of money and credit. Spring. Credit, 3 semester hours.

10. Statistics (BUS 310)

Same as BUS 310.

20. Quantitative Methods

Prerequisite: MAT 107.

Introduction to mathematical methods in economics and business. Substantive topics include general equilibrium analysis, input-output models, mathematical control theory and macro-dynamic models. Spring. Credit, 3 semester hours.

30. Public Finance

Prerequisites: ECN 201, 202.

A study of revenue and expenditures on all governmental levels in the United States. Spring. Credit, 3 semester hours.

40. International Trade

Prerequisites: ECN 201, 202, 304.

An introduction to international trade, the balance of payments, and related issues of foreign economic policy. Spring. Credit, 3 semester hours.

41. Economic History (HST 408)

Prerequisites: HST 201 or permission of instructor.

The same course as HST 408. Fall. Credit, 3 semester hours.

01. Intermediate Macro-economic Theory

Prerequisites: ECN 201, 202, 301, 304, 330.

Determination of the national income and of its components. Economic growth and fluctuations. The influence of public policy on the production and employment level and on the distribution of the national income. Fall. Credit, 3 semester hours.

06. Economic Systems

Prerequisites: ECN 201, 202.

A comparative study of alternative economic systems, including communism, socialism, fascism, and capitalism. Spring. Credit, 3 semester hours.

07. Economics of Labor

Prerequisite: ECN 202.

Examines the nature of the labor markets and problems dealing with labor groups. Topics include history of the labor movement, union structure, labor law, collective bargaining. Fall or Spring. Credit, 3 semester hours.

408. Introduction to Econometrics

Prerequisites: ECN 301, 401, MAT 107.

An introduction to the measurement, specification, estimation and interpretation of functional relationships with regard to demand, cost, production, consumption, and investment. Fall or Spring. Credit, 3 semester hours.

411. Development of Economic Thought

Prerequisites: ECN 201, 202, 301, 401.

A basic course in the development of economic theories and doctrines, ranging from the Greek to the present day. Fall. Credit, 3 semester hours.

419. Senior Seminar in Economics

Prerequisite: Consent of instructor.

A seminar featured to prepare students for graduate work in economics. Spring. Credit, 3 semester hours.

COMMUNICATIVE ARTS*Chairman:* THOMAS J. LEACH

MARY BOYLES*
ALBERT D. DUNAVAN
JAMES S. FARMER
MARJORIE L. FARMER
GRACE E. GIBSON
CHESTER I. JORDAN
ROBERT G. LEVY
LOIS B. LEWIS**
NORMAN W. MACLEOD**
JOSEF L. MANDEL

ENOCH C. MORRIS, JR.
MATTHEW C. MORRISON
GEORGE W. POLHEMUS**
ROBERT W. REISING
RAYMOND J. RUNDUS
DENNIS H. SIGMON
SHELBY D. STEPHENSON
EUGENE C. TORBERT
RICHARD R. VELA
ANN F. WELLS
RUDY D. WILLIAMS

* College Opportunity Program

** Professor Emeritus

The Communicative Arts Department of Pembroke State University exists for the common good of its students, of the campus community, and of a rational and humane society. To serve these purposes, the Department attempts to offer distinctive, realistically conceived, and well-executed programs for (1) the Basic Studies student, to whom a wide choice of courses is available; (2) the Communicative Arts Major (Four Options); (3) the Foreign Language student (French and Spanish); (4) the student seeking North Carolina Teacher Certification in English; and (5) the student majoring in another subject area who wishes to develop a minor in the Communicative Arts Department or simply choose an elective or two. The Department recognizes that each program has a different philosophy and different objectives and seeks to make the student responsive to the philosophy and objectives of his particular program.

Information is available in the Department office about advisement and screening procedures for Communicative Arts majors. Also available is information about developing a minor in French, Journalism, Language, Literature, Public Relations Communications, Spanish, Speech, Theatre, and Writing. These are offered to Communicative Arts majors as well as to students majoring in other subject areas.

The Communicative Arts Department recommends that all of its majors study a foreign language throughout their college careers; six semester hours are required, waived if the student is able to demonstrate proficiency through the intermediate level in a major modern foreign language by passing a standardized test.

CMA 105 (Composition I) and CMA 106 (Composition II) are prerequisite to all 200-level "core" courses and all required major courses except for CMA 250 (Introduction to Theatre).

All full-time students must enroll in Composition I during their first semester of full-time study and continue consecutively thereafter until they successfully complete both CMA 105 and CMA 106, the six-hour required sequence.

Requirements for Bachelor of Arts Degree in Communicative Arts: Dramatic Literature and Performance Option

Basic Studies Requirements (p. 59)	Sem. Hrs.
Major Requirements	50
"Core" Major Courses: CMA 100 or 101, 245, and six semester hours of 200-level literature	
Six semester hours of foreign language	18
CMA 250: Introduction to Theatre	
CMA 351: Shakespeare	
CMA 354: Modern Drama	9
Twenty-four hours of major courses from the following:	
CMA 162-463, 164, 165, 201, 233, 234, 235, 300, 301, 304, 315, 331, 333, 353, 360, 361, 453, 454	24
Electives	19
Total	120

Requirements for a Bachelor of Arts Degree in Communicative Arts: English Education Option (Teacher Certification)

Basic Studies Requirements (p. 59)	Sem. Hrs.
Major Requirements	50
"Core" Major Courses: CMA 100 or 101, 245, and six semester hours of 200-level literature	
Either CMA 302: Literary Analysis and Interpretation or three additional hours of 200-level literature	
Upper-Division Major Courses: CMA 351, 374, 465; EED 372, 374, 384; three hours chosen from CMA 162-463, 164, 165, 234, 235, and EED 399	
Six semester hours of foreign language	42
Professional Education Requirements	
EED or EDN 400; EDN 202, 227, 308, 419, 437, 445, 448	25
Electives	3
Total	120

Requirements for a Bachelor of Arts Degree in Communicative Arts: English Language and Literature Option

Basic Studies Requirements (p. 59)	Sem. Hrs.
Major Requirements	50
"Core" Major Courses: CMA 100 or 101, 245, and six semester hours of 200-level literature	
CMA 302 Literary Analysis and Interpretation	
CMA 465 Seminar in Literature	
Eighteen semester hours of additional Major Courses (Identified in department publication of 1982-1983 major requirements; minimum of six hours each in English language courses and in literature courses)	
Six semester hours of foreign language	39
Electives	31
Total	120

Requirements for a Bachelor of Arts Degree in Communicative Arts: "Contracted" Major Option (Journalism, Mass Media, Public Relations, etc.)

Basic Studies Requirements (p. 59)	Sem. Hrs.
Major Requirements	50
"Core" Major Courses: CMA 100 or 101, 245 and six semester hours of 200-level literature	
Approval of contract	
Eighteen semester hours of "Contracted" major courses (up to nine semester hours may be taken in other departments)	
CMA 455: Directed Studies Seminar	
Six semester hours of foreign language	39
Electives	31
Total	120

COURSES

I. COMMUNICATIVE ARTS

BASIC COMMUNICATION SKILLS (CMA)

- 002. Written Communication Skills**

Prerequisite: Acceptance into College Opportunity Program

Study and practice of basic skills in written communication, emphasizing sentence mastery and organization and development of paragraphs. Pass/Fail grading. Fall, Summer. No credit.
- 003. Oral Communication Skills**

Prerequisite: Acceptance into College Opportunity Program

Study and practice in basic skills in oral communication, emphasizing articulation, rate, rhythm, inflectional patterns, correct pronunciation, acceptable spoken grammatical usage patterns. Fall, Summer. Credit, 3 semester hours.

100. Interpersonal Communication

Interpersonal communication behaviors that influence interpersonal relationships. Emphasis on developing personal skills and attitudes in one-to-one relationships and small groups. Fall, Spring, Summer. Credit, 3 semester hours.

101. Fundamentals of Speech

Introduction to the fundamentals of public speaking for the beginning student. Based on classical theory and practice. Fall, Spring, Summer. Credit, 3 semester hours.

105. Composition I

Writing of expository prose, with attention to effectiveness and accuracy; study and analysis of non-fiction prose; development of basic communication skills. Fall, Spring, Summer. Credit, 3 semester hours.

106. Composition II

A continuation of CMA 105 emphasizing the development of rhetorical strategies and the writing of a research paper; introduction to the major literary genres. Fall, Spring, Summer. Credit, 3 semester hours.

200. English Proficiency

Prerequisites: CMA 105, 106.

Units include spelling and vocabulary, English usage, sentence building, and research skills. Designed for students with a "D" grade in CMA 105 and/or CMA 106. CMA 200 is to be taken by the end of their junior year. Pass/Fail grading. Not available for Basic Studies credit. Fall, Spring. Credit, 1 semester hour.

202. Speech Correction Laboratory

Prerequisite: Permission of instructor.

Designed for the student wishing to correct weaknesses and inaccuracies in his spoken communication patterns. American English 'speech and sound discrimination skills are developed. Major emphasis upon application of theory in structured practicum. May not be used to satisfy Basic Studies requirement. Pass/Fail grading. Fall. Credit, 3 semester hours.

241. Spelling and Vocabulary

Prerequisite: "C" grade or better in both CMA 105 and 106.

Not available for Basic Studies.

A study of specific techniques and proven strategies for correct spelling and vocabulary building. Fall. Credit, 1 semester hour.

242. English Usage

Prerequisite: "C" grade or better in both CMA 105 and 106.

Not available for Basic Studies.

Intensive review of parts of speech and their use in the sentence. Study of punctuation forms. Analysis of verb problems and errors that obscure meaning or distract reader. Fall. Credit, 1 semester hour.

243. Sentence Mastery

Prerequisite: "C" grade or better in both CMA 105 and 106.

Not available for Basic Studies.

Examination of sentence types, including grammatical modes, sentence embedding, and sentence combining. Includes techniques for improving sentence quality and variety. Fall. Credit, 1 semester hour.

303. Business Communications (BUS 303)

Development of skill in the fundamentals of effective communication and detailed study of principles and application of business letters and business writings, including business reports and other forms of business communication. Two lectures weekly. Fall. Credit, 3 semester hours.

BRITISH AND AMERICAN LITERATURE (CMA)**217. English Literature to 1800**

A historical survey of English Literature from Beowulf to the Romantic period (1800), emphasizing such major writers as Chaucer, Spenser, Shakespeare, Donne, Milton, Dryden, Pope, Swift, Boswell, and Johnson. Fall, Summer. Credit, 3 semester hours.

218. English Literature Since 1800

A historical survey of English literature since 1800 from the beginning of the Romantic Period to the present, emphasizing such major writers as Wordsworth, Coleridge, Byron, Shelley, Keats, Tennyson, Browning, Hopkins, Hardy, Yeats, Joyce, Lawrence, and Eliot. Spring, Summer. Credit, 3 semester hours.

220. American Indian Literature (AIS 220)

An introduction to American Indian literature. Texts written, collected or edited by American Indians will be used whenever possible. Fall, Spring, Summer. Credit, 3 semester hours.

222. American Literature to 1865

Consideration of the outstanding literary figures of the Colonial, Federalist, and Transcendental periods, with attention to the social background and literary milieu. Emphasis upon the role of our nation's literature in understanding our national ideals and values. Fall, Spring, Summer. Credit, 3 semester hours.

223. American Literature Since 1865

Consideration of outstanding literary figures representing Realism, Naturalism, and Modernism, with attention to the social background and literary milieu. Emphasis upon the role of our nation's literature in understanding our national ideas and values. Fall, Spring, Summer. Credit, 3 semester hours.

42. The English Novel

Prerequisite: CMA 218 and/or 219 recommended.

A critical study of the English novel from the eighteenth century to the twentieth (from Richardson through Conrad and James), with considerable attention to social history and the novel's formal structure, as experienced in the reading of a number of representative novels. Spring. Credit, 3 semester hours.

43. The American Novel

Prerequisite: CMA 222 or 223 recommended.

A critical study of the American novel and a reading of selected novels from Fenimore Cooper to the present, with emphasis on the formal development of the novel and its reflection of various American social and cultural contexts. Fall. Credit, 3 semester hours.

351. Shakespeare

Prerequisite: CMA 217 recommended.

An introduction to the Elizabethan theatre, a study of Shakespeare's career as a dramatist, and a critical survey of a number of major plays—histories, comedies, and tragedies. Fall. Credit, 3 semester hours.

366. Modern British and American Poetry

A study of British and American poetry from Whitman, Dickinson, and Hardy to Sylvia Plath in the early 1960s with emphasis on the major poets of the twentieth century. Spring. Credit, 3 semester hours.

450. Seminar in American Indian Literature (AIS 450)

Prerequisite: Permission of instructor.

A study of selected topics in American Indian Literature. Fall. Credit, 3 semester hours.

465, 466. Seminar in Literature

Prerequisite: Upper-division standing in the University.

Study in a small group setting of particular figures or topics in British, American or World Literature. Each student must contribute an extended essay or equivalent work as part of the seminar experience. Instructors will vary from term to term. Fall, Spring. Credit, 3 semester hours.

COMPARATIVE AND WORLD LITERATURES (CMA)**204. Mythology of All Peoples**

A study of mythic motifs and themes in oral and early written literature, including Asian, African, and American Indian, as well as Greco-Roman and Teutonic-Norse literature; development of mythic traditions in early and modern societies. As announced. Credit, 3 semester hours.

205. World Literature I

A study primarily of Western literature, emphasizing the contributions of its greater writers to both the representative culture and the subsequent tradition, through the Renaissance. Fall, Spring, Summer. Credit, 3 semester hours.

206. World Literature II

A study of the greatest works and authors of primarily Western literature from the seventeenth to the present century. Fall, Spring, Summer. Credit, 3 semester hours.

207. Studies in Literature

Study of a specific genre or topic in world literature: its characteristic and significance as both a cultural product and a form of literary expression. Title and topic will vary from year to year. As announced. Credit, 3 semester hours.

302. Literary Analysis and Interpretation

Prerequisite: Six hours of literature.

An introductory study of critical approaches to literature with practice in analyzing and interpreting representative works both in the Anglo-American tradition and in English translation. Fall. Credit, 3 semester hours.

354. **Modern Drama**
A study of selections from the drama of the Western world of the nineteenth and twentieth centuries. Spring. Credit, 3 semester hours.
403. **Contemporary World Fiction**
Prerequisite: CMA 206 recommended.
A survey of the short story, short novel and novel in the twentieth century. Fall. Credit, 3 semester hours.
- 465, 466. **Seminar in Literature** (see under "British and American Literature")

EXPOSITORY AND CREATIVE WRITING (CMA)

277. **Creative Writing I**
Designed for serious study and practice of various literary forms. Fall, Spring. Credit, 3 semester hours.
305. **Feature Writing**
The writing of articles in-depth for newspapers and magazines. A practical course that ranges widely in terms of possible prose writing experience. Fall. Credit, 3 semester hours.
309. **Editorial Writing**
The study and analysis of editorial writing in major newspapers with special emphasis on principles and practices. Students will actually write editorials for publication. Spring. Credit, 3 semester hours.
370. **Advanced Composition**
Prerequisite: "C" grade or better in CMA 105 and 106.
An upper-division writing course for students majoring in the Humanities and the Social and Behavioral Sciences and anticipating graduate level and professional writing demands. Fall. Credit, 3 semester hours.
377. **Creative Writing II**
Prerequisite: CMA 277.
Designed for serious study and practice of various literary forms beyond the level presented in CMA 277. Fall, Spring. Credit, 3 semester hours.
426. **Creative Writing Workshop**
Prerequisite: CMA 277 or permission of Department Chairman.
This course will normally be taught by visiting writers and may be repeated for credit. Offered when circumstances warrant. Credit, 1-3 semester hours; maximum, 6 semester hours.

JOURNALISM (CMA)

40. **Newswriting and Reporting I**
An introduction to print journalism with emphasis on the development of skills and techniques in effective newswriting. Fall, Spring. Credit, 3 semester hours.

282, 283, 284. Yearbook Production

Experience in the details of producing an extended feature publication through work on the Pembroke State University yearbook, *The Indianhead*. Activities will include theme development, layout design, feature writing, photography selection/cropping, typing, art work, and general production work. Pass/Fail grading. Fall, Spring. 1 hour credit.

305. Feature Writing (see under "Expository and Creative Writing")**306. News Editing and Typography**

Techniques of preparing copy for publication, the writing of newspaper headlines; and front and inside makeup (design). Fall. Credit, 3 semester hours.

309. Editorial Writing (see under "Expository and Creative Writing")**340. Newswriting and Reporting II**

Prerequisite: CMA 240 or permission of instructor.

Designed to familiarize the student with the total range of reporting possibilities. Each term a field of specialization will be chosen for emphasis. Also introduces copyreading and news editing. Fall, Spring. Credit, 3 semester hours.

390. Community Journalism

Prerequisite: CMA 240, 340 or permission of Department Chairman.

A pragmatic course designed to provide the student (in an internship arrangement) with actual practice in writing and editing for a newspaper, radio station, or television station in the area. Fall, Spring, Summer. Credit, 3 semester hours.

LINGUISTICS AND GRAMMAR (CMA)**245. Aspects of the English Language**

An introduction to the English language including applied study of such topics as the history of the language and its acquisition, dialects, semantics, lexicography, phonology, orthography, grammatical systems, and standards of modern English usage. Written exercises or reading reports in these topics. Fall, Spring. Credit, 3 semester hours.

319. American Dialects and Semantics

Prerequisite: CMA 245 recommended.

A study of the applications and implications of two major, related facets of spoken American English: dialects and semantics. Fieldwork in the region or elsewhere in the Carolinas. Fall. Credit, 3 semester hours.

371. Modern English Grammar

Prerequisite: CMA 245 for English education majors.

A study of modern and traditional English grammar, including structural linguistics and transformational grammar. Fall, Spring, Summer. Credit, 3 semester hours.

381. Language and Society (SOC 323)

Prerequisite: CMA 245 recommended.

An introduction to the socio-linguistic consequences of language. The effect of language on society and society on language. Spring. Credit, 3 semester hours.

MASS COMMUNICATIONS (CMA)**210. Introduction to Mass Communications**

An introduction to the cultural effects of radio, film, television, and print (books, magazines, and newspapers) and the forces that shape their form and content. Spring. Credit, 3 semester hours.

316. Radio and Television Production

Prerequisite: CMA 210 or permission of Department Chairman.

Basic theory and practice of studio operations in radio and television, with laboratory experience in the use of control boards, records, cameras, switching and editing equipment, microphones and related equipment. Fall. Credit, 3 semester hours.

375. Studies in Film

Prerequisite: CMA 210 recommended.

A course in film criticism including an introduction to elements of film study, a brief survey of film history, and an exploration of significant directors, themes, or types of film. Fall. Credit, 3 semester hours.

378. The American West: Myth and Reality (HST 378)

An interdisciplinary study of myth and reality of the American West as developed through films, literature and history. Although the course will emphasize the events of the period from 1850-1890, it will also attempt to show the influence of the West as a concept down to the present. Spring. Credit, 3 semester hours.

390. Community Journalism (see under "Journalism")**412. Studies in Visual Literacy (ART 412)**

Prerequisite: Junior or Senior standing.

Theory and applied studio exercises to increase students' ability to perceive, interpret, understand and create communication in the visual mode. Spring. Credit, 3 semester hours.

419. Advanced Radio and TV Production

Prerequisite: CMA 316.

An advanced study and practice of radio and television with studio experience in solving the problems of production, design, direction, and performance. Spring. Credit, 3 semester hours.

SPEECH COMMUNICATION (CMA)**209. Public Relations**

A critical study of public relations as communication effort to influence and persuade in contemporary society. Fall. Credit, 3 semester hours.

225. Argument and Debate

The essentials of argumentation; use of reasoning and evidence; definition, analysis, case construction and refutation; application to various forms of speech making. Fall. Credit, 3 semester hours.

300. Oral Interpretation

Techniques of interpretive reading as means of understanding and communicating to an audience a work of literary art in its intellectual, emotional, and aesthetic entirety. Spring of 1983-84 and alternate years. Credit, 3 semester hours.

315. Voice and Diction

Fundamentals of voice production and articulation; students are given practice in refining and expanding spoken communication skills. Spring. Credit, 3 semester hours.

357. Discussion Techniques

An exploration of various discussion techniques. Parliamentary procedure will also be studied as a means of formalizing discussion. Fall. Credit, 3 semester hours.

409. Practicum in Advanced Public Relations Communication

Prerequisite: CMA 209.

A practical application of the principles of persuasive communication in public relations, with a study of case histories. Emphasis will be given to solving, implementing, and evaluating a strategy of public relations communication. Spring. Credit, 3 semester hours.

THEATRE (CMA)**162, 163; 262, 263; 362, 363; 462, 463. Play Production**

A laboratory experience in all aspects of both Performance and Technical Theatre. Students will participate in a minimum of one Pembroke Players production either as a performer or a member of the production crew. A minimum number of work hours required. Maximum enrollment, 2 hours per semester. Fall, Spring. Credit, 1 semester hour each.

164. Stage Make-Up

Theory and practice in the application of make-up for the stage using practical make-up application for class exercises. Spring of 1983-84 and alternate years. Credit, 1 semester hour.

165. Costumes for the Actor

The development and use of materials, basic sewing and costume design elements for the actor in both rehearsal and production situations. Fall of 1983-84 and alternate years.

201. Elementary Acting

Theory and practice of the fundamentals of acting including basic study in analyzing and building a character; introduction to styles of acting. Fall. Credit, 3 semester hours.

233. Stagecraft

Study of theories and techniques used in creating a stage environment. Students will participate in various aspects of production as a practical supplement to classroom lectures. Spring, Summer. Credit, 3 semester hours.

234. Scene Design

Techniques and theory of design of settings for stage productions. Practical development of perspective drawings, models, and elevations for the stage. As announced. Credit, 1 semester hour.

235. Stage Management

Theory and practice of stage management in Broadway, regional community and educational theatres. To include the stage manager's responsibilities during rehearsals as well as during performances. As announced. Credit, 1 semester hour.

250. Introduction to the Theatre

Introduction to both the practice and literature of the theatre; survey of the artists of the theatre and dramatic literature from Greece to the present. Fall. Credit, 3 semester hours.

301. Advanced Acting

Prerequisite: CMA 201.

Advanced work in theory and practice of acting; advanced work in analyzing and building a character; styles of acting. Spring. Credit, 3 semester hours.

331. Play Direction

Prerequisite: CMA 201 or approval of instructor.

Study of the theory and practice of directing for the theatre, classroom theory supported by individual experience in selection and analysis of scripts, casting, rehearsal and production. Fall. Credit, 3 semester hours.

333. Lighting

Prerequisite: CMA 233 recommended.

Application of theories and techniques in preparing and mounting scenic lighting. Considerations include aspects of functional and creative design along with analysis, operation, and maintenance of lighting implements. Spring. Credit, 3 semester hours.

353. Theatre Management

Theory and practice of theatre management objectives including: theatre organization, season, budget, schedule, personnel, publicity, box office, and house management. Spring. Credit, 3 semester hours.

360. History of the Theatre: The Beginnings to 1642

Prerequisite: CMA 250 or consent of Department Chairman.

Study of the theatre, both its physical form and its literature, from the earliest beginnings to 1642. Fall. Credit, 3 semester hours.

361. History of the Theatre: 1660 to the Present

Prerequisite: CMA 360 or consent of Department Chairman.

Study of the theatre, both its physical form and its literature, from 1660 to the present. Spring. Credit, 3 semester hours.

453. Directed Practicum in Advanced Theatre Problems I

Prerequisite: Declared senior major, 3.0 grade point average in major and consent of instructor.

Credit is obtained by successful fulfillment of a contractual agreement between the student and supervising faculty member. Fall, Spring, Summer. Credit, 1-3 semester hours.

454. Directed Practicum in Advanced Theatre Problems II

Prerequisite: Declared senior major, 3.0 grade point average in major and consent of instructor.

Credit is obtained by successful fulfillment of a contractual agreement between the student and the supervising faculty member. Fall, Spring, Summer. Credit, 1-3 semester hours.

CMA SEMINARS (CMA)**450. Seminar in American Indian Literature (see under "British and American Literature")****455. Directed Studies Seminar**

Required of all contracted majors, recommended to all CMA majors.

Prerequisite: Upper-division major.

This course teaches advanced research techniques and gives the student guidance in a program designed by the student and his research director. The course culminates the student's major with an independent, substantive project. Spring. Credit, 3 semester hours.

465, 466. Seminar in Literature (see under "British and American Literature")**II. ENGLISH AND SPEECH EDUCATION (EED)**

The English and Speech Education programs help prospective teachers develop a personal philosophy of teaching; to become effective teachers of writing, reading, speaking, listening; to see the futility of teaching in isolation; to recognize that teachers need to be creative, original, inspiring, willing, positive, untiring, and resilient. The Department also attempts to provide in-service teachers opportunity to update their preparation through an annual English Education Conference and summer or academic year workshops.

Eight courses required for certification constitute the core of the program; 310, 382, 383, and 394 (for Elementary and Intermediate Certification); 372, 374, 384 (for secondary English certification); 318 (for Special Education certification). Up to four semester hours of experiential-learning credit may be earned in EED 339: Practicum in Laboratory Experiences

310 Speech Education

Opportunity for teachers to acquire standards for recognizing speech problems and improving speech habits of students. Fall, Spring, Summer. Credit, 3 semester hours.

318. Language Acquisition of Children

Prerequisites: CMA 245 and/or EDN 102.

Basic understanding of how a young child acquires his language; methods and procedures for promoting and measuring language development. Spring. Credit, 3 semester hours.

372. English Language for Adolescents

Prerequisite: CMA 245; 371 recommended.

Studies in the theories, strategies, and materials of language and language teaching on the junior and senior high school levels, with emphasis on the latter. Includes a section on the history of English. Fall. Credit, 3 semester hours.

374. English Composition for Adolescents

Studies in the theories, strategies, and materials of composition and composition teaching on the junior and senior high school levels, with emphasis on the latter. Spring. Credit, 3 semester hours.

382. Children's Literature (Early Childhood)

Studies of literature which will develop within the child an interest upon which his teachers in higher grades can build. Attention to materials and methods which will be successful in the primary classroom. Fall, Spring, Summer. Credit, 3 semester hours.

383. Children's Literature (Intermediate Grades)

Reviews the leading genres in literature for students within the intermediate level, 4-9, and suggests to prospective teachers specific correlations with the total curriculum as it stresses literature for enrichment. Materials and methods included. Fall, Spring. Credit, 3 semester hours.

384. Literature for Adolescents

A survey of literature for adolescents in junior and senior high school, emphasizing the development of standards for selecting such materials for school and home, with attention given to the methods of teaching this literature. Required for English Education majors; may be elected by any CMA major. Spring. Credit, 3 semester hours.

394. Oral Language in the Elementary School

Deals with theory, instructional techniques and instructional materials related to oral language teaching at the elementary level. Students have opportunities to work with children in practicum situations. Fall, Spring, Summer. Credit, 3 semester hours.

399. Practicum in Laboratory Experiences

Prerequisite: Junior or senior standing and permission of EE/CC Director.

A practicum involving tutorial service in the English Education/Communications Center and/or area public schools. Pass/Fail grading. Each semester. Credit, 1-2 semester hours. Maximum: 4 semester hours.

400. Methods of Teaching English in the Secondary School

Purposes, methods, materials and evaluation procedures in the certification area: directed observation in the secondary school; preparation of teaching plans and materials Accelerated. Fall, Spring. Credit, 3 semester hours.

III FOREIGN LANGUAGES

A student presenting two or more units in a high school language course and wishing to continue the study of that language should, after having satisfactorily passed a proficiency examination in the language, register in the course for which he is qualified.

FRENCH (FRH)

131, 132. Elementary French

The sequence of 131-132 introduces the essential elements of French structure and vocabulary and some aspects of French culture. Aural comprehension, speaking, reading, and writing are stressed in that order. One hour per week of laboratory practice is required. Fall, Spring. Credit, 3 semester hours.

231, 232. Intermediate French

Prerequisites: FRH 131, 132 or two units of high school French and a satisfactory score on the French proficiency test.

Grammar review, translation and composition; oral practice through drill and discussion. An introduction to French civilization and literature. Fall, Spring. Credit, 3 semester hours.

255, 256. French Conversation and Composition

Intensive practice in aural-oral French, based on contemporary French prose and civilization subject matter; further study of grammar, vocabulary, and idiom; further training in formal and free composition. Fall, Spring. Credit, 3 semester hours.

321, 322. Study of French Literature

Prerequisite: FRH 231, 232 or permission of instructor.

Masterpieces of French literature from the beginning to the present as an outgrowth of French history and civilization. Fall, Spring. Credit, 3 semester hours.

361. French Civilization and Culture

Prerequisite: FRH 231 or its equivalent.

A course designed to give students a better understanding of the history and civilization of France and other French-speaking countries and to increase their knowledge of the general aspects of French culture. Fall or Spring. Credit, 3 semester hours.

451. Study Abroad: Study Tour in France (Elective)

Prerequisite: Permission of instructor.

A trip designed to acquaint the student with various aspects of French life and civilization through visits to places of historical interest, museums, theatrical performances, cafes, and through conversations with the people. Summer. Credit, 2-7 semester hours.

SPANISH (SPN)**101, 102. Spanish for Business Communication**

Prerequisite: Permission of instructor.

Development of functional communication skills for routine business transactions, reading ability for newspapers and journals, and basic social skills. Does not meet CMA foreign language requirement. Fall, Spring, Summer. Credit, 3 semester hours.

131, 132. Elementary Spanish

The sequence 131-132 introduces the essential elements of Spanish structure and vocabulary and some aspects of Spanish culture. Aural comprehension, speaking, reading and writing are stressed in that order. One hour per week of laboratory practice is required. Fall, Spring. Credit 3 semester hours.

231, 232. Intermediate Spanish

Prerequisites: SPN 131, 132, or two units of high school Spanish and a good score on the Spanish proficiency test.

The sequence 231-232 develops increased competence in aural comprehension, speaking, reading and writing and reviews Spanish grammar. Fall, Spring. Credit, 3 semester hours.

255, 256. Spanish Conversation and Composition

Prerequisite: SPN 232 or its equivalent.

The purpose of the sequence 255-256 is to develop fluency in conversation and facility in composition. Fall, Spring. Credit, 3 semester hours.

321. Survey of Spanish Literature to 1800

Prerequisite: SPN 231, 232 or permission of instructor.

Survey of the literature from its beginning to 1800 A.D. Fall. Credit, 3 semester hours.

322. Survey of Spanish Literature Since 1800

Survey of the literature from 1800 A.D. to the present. Spring. Credit, 3 semester hours.

360. Hispanic Civilization and Culture

A study of the history and civilization of Spain, Portugal, and Latin America and selected aspects of Hispanic culture. Spring. Credit, 3 semester hours.

Pembroke Magazine, founded in 1969 by Norman Macleod, Professor Emeritus in Communicative Arts at Pembroke State University, focuses on North Carolina, national and international writers, and publishes both beginners and established writers. *Pembroke Magazine* is considered one of the world's most outstanding literary magazines.

EDUCATION

Chairman: GERALD D. MAYNOR

PAUL J. BERGHOFF
MARY M. BUXTON
RHODA P. COLLINS
BEN JAY DRYMON
CARL M. FISHER
JESSE M. LAMM

DONALD R. LITTLE
WILLIE McNEILL, JR.
LAWRENCE R. SCHULTZ
KATHRYN M. SULLIVAN
JUDITH L. WISH

The primary function of the Department of Education is to provide professional preparation for individuals who are preparing to teach in the public schools. The total program of professional education is designed to encompass an understanding of the learner, of the learning process, of the school and the meanings and purposes of education, and to foster the development of professional skills in methods and techniques of instruction. The Department of Education utilizes the resources of the entire University for the academic subject matter necessary for breadth and depth of background in the liberal arts and in the sciences, both of which are essential to effective teaching. The professional program is designed to meet the criteria for teacher certification as set forth by the North Carolina Department of Public Instruction, the criteria for accreditation by the National Council for the Accreditation of Teacher Education (NCATE), and the criteria implied in the philosophy of the University.

Each student has the responsibility for consulting with his major advisor and the Education Department in order to keep abreast of all regulations and information concerning his academic record for graduation and/or certification. All prospective teachers should study the requirements of the state in which they plan to teach, as well as the requirements of the University, keeping in mind that graduation and certification programs are not necessarily the same even though it is possible to achieve both in a planned program.

ADMISSION TO THE TEACHER EDUCATION PROGRAM

The Teacher Education Committee selectively admits and periodically evaluates students in the Teacher Education Program on the basis of scholastic aptitude, personality, and suitability for teaching.

According to the criteria established by the Teacher Education Committee a student who wishes to enroll in the program must, prior to enrollment in

Education 202: (1) apply to the Teacher Education Committee for admission; (2) have completed successfully two semesters of college work; (3) have an overall cumulative quality point average of 2.5 or better on a 4.0 scale; (4) present a statement of eligibility signed by the Registrar and from his advisor; (5) present an endorsement and recommendation for admission from his advisor and major department head; (6) present a statement of health and character fitness from the Dean of Student Affairs; and (7) a student having a handicap which might adversely affect his or her ability to attain minimal competency in the teaching profession should arrange with the Chairman of the Teacher Education Committee for any needed accommodation. To be continued in the program the student must maintain an overall quality point average of 2.5, and earn a minimum of "C" or better in the beginning course (EDN 227). The student who does not meet this criterion for continuing in the program is notified by the Chairman of the Teacher Education Committee.

When the student's application for admission to the Professional Semester of the Teacher Education Program is disapproved or when the student earns a course grade of "D" or "F" on one of the required education courses, the student is dropped from the Teacher Education Program and may not continue as a teacher education major until he reapplies for admission to the program through the Chairman of the Education Department and the appropriate Program area coordinating team to the Teacher Education Committee and is approved by them for readmission to the Program. Upon being readmitted to the Program, the student must retake the required education course in which the "D" or "F" was earned and earn a minimum course grade of "B" or better on that course. The course may be repeated one time only.

ADMISSION TO THE PROFESSIONAL SEMESTER

The professional semester occurs in the senior year and is devoted entirely to study in professional education and to student teaching. No student accepted for enrollment in the professional semester is permitted to register for any course other than those specified as professional education courses.

The application for enrollment in the professional semester must be filed with the Director of Student Teaching not later than three months prior to enrolling in the professional semester.

To be eligible for consideration by the Teacher Education Committee and approved for enrollment in the professional semester, each candidate for a teaching certificate must: (1) have completed all required basic studies courses; (2) be within not more than one summer of graduation upon completion of the professional semester; (3) not lack more than six semester hours of completing the requirements in the major field of study; (4) have a quality point average of 2.5 or better in his major field; (5) present a certificate of eligibility verified by the Registrar; (6) present a final recommendation as to character, suitability and aptitude for teaching from his advisor and major

department head; and (7) a statement of physical fitness from a licensed physician.

Accommodations to handicaps which might adversely affect the student teaching experience should be arranged with the Director of Student Teaching.

TEACHER CERTIFICATION

The North Carolina State Department of Public Instruction issues initial Class A teacher certification to graduates to Pembroke State University's approved program. This includes specified courses in their teaching field(s), prescribed courses in education, and recommendations for certification by the appropriate department head and the Chairman of the Department of Education.

THE NATIONAL TEACHER EXAMINATION

All persons qualifying for a teaching certificate in North Carolina must take the Common and Teaching Area sections of the National Teacher Examination. The prospective teacher takes the examination during the semester in which he does student teaching. Information and application forms may be obtained from the Director of the Guidance, Testing and Placement Center.

THE CURRICULUM LABORATORY

The Curriculum Laboratory or materials center is a unit within the Department of Education and is an essential part of the teacher education facility which contains professional and instructional materials and which provides support to all areas of the teacher education program. The Laboratory has, for example, textbooks used in elementary and secondary school, teaching units, courses of study, instructional media and equipment, curriculum outlines, and supplies and materials for production and preparation of teaching materials.

THE LEARNING LABORATORY

The Learning Lab is a unit within the Department of Education. The lab which is utilized by professors and education majors provides space for the study and development of instructional materials—commercial and teacher-made. In addition to a wide collection of manipulative and multi-sensory materials, the Learning Lab also houses furniture and other physical equipment appropriate for creating flexible educational environments.



THE READING CENTER

Pembroke State University maintains a center for the improvement of reading and for instruction in how to study, how to improve reading comprehension, how to increase vocabulary, and how to increase reading rate. Facilities and equipment are provided for diagnosing reading difficulties and for achieving peak skill in reading efficiency and comprehension. Services of the center are available to any Pembroke State University student who wishes to improve his reading ability.

The Center consists of lecture rooms for general classes and a number of smaller multi-purpose rooms containing individual study carrels, individual

instructional materials, and special listening stations. Facilities are available for individualized testing and instruction, and are utilized by student and faculty members from all academic departments of the University.

SECONDARY EDUCATION

Curriculum check-sheets, available from advisors and chairmen of the academic departments, outline specialized programs of study for majors who are preparing to teach at the secondary level.

Secondary school teaching certificates are obtained in conjunction with the degree of Bachelor of Arts or Bachelor of Science, with a major in a teaching field or subject. The Department of Education does not offer a degree in secondary education. The requirements for the secondary teaching certificate are as follows:

- I. The Basic Studies Program. Students seeking secondary school certification must have six semester hours of history, six semester hours of literature, and should consult with the chairman of their major department prior to registering for basic studies courses.
- II. Professional requirements for the secondary teaching certificates: 25 semester hours consisting of Education 202, 227, 308, 400, 419, 437, 445, and 448.

ELEMENTARY EDUCATION

The Department of Education offers programs leading to the Bachelor of Science degree in Elementary Education, with North Carolina teacher certification in Early Childhood Education and in Intermediate Grades Education. Curriculum checksheets outlining course recommendations for meeting programs of study requirements are available from departmental advisors and the Office of the Chairman of the Department of Education.

Requirements for a Bachelor of Science Degree in Elementary Education with Teacher Certification in Early Childhood Education

	Sem. Hrs.
Basic Studies Requirements (p. 59)* (To include six hours each of literature and history.)	50
Major Requirements EDN 102, 410, 453, 455, 463, 465; ART 108; HED 311; PED 316; MUS 224; EED 310, 382, 394; CMA 371	42
Professional Education Requirements EDN 202, 227, 301, 306, 435, 442, 446, 474	25
Electives	3
Total	120

*Students who plan a major in Elementary Education should consult with the Department Chairman prior to registering for Basic Studies Courses.

Requirements for A Bachelor of Science Degree in Elementary Education with Teacher Certification in Intermediate Grades Education

	Sem. Hrs.
Basic Studies Requirements (p. 59)* (To include six hours each of literature and history.)	50
Major Requirements** EDN 102, 413; CMA 371; EED 310, 383, 394; HED 311; MAT 102; MUS 299; PED 316; ART 108 and (2 recommended) subject matter areas of concentration, and sufficient electives to total 51 semester hours.	51
Professional Education Requirements EDN 202, 227, 304, 307, 436, 443, 447, 475	25
Total	126

*Students who plan a major in Elementary Education should consult with the Department chairman prior to registering for Basic Studies Courses.

**Approved Areas of Concentration for Intermediate Grades Teacher Certificates are as follows: Social Studies, 24 hrs.; Science, 18 hrs.; Mathematics, 18 hrs.; Music, 18 hrs.; Reading, 18 hrs.; Health and Physical Education, 18 hrs.; Special Education, 18 hrs.; Foreign Languages, 18 hrs.; Art, 18 hrs.; Lanugage Arts, 24 hrs. A student who chooses Intermediate Grades Education as his major completes two subject-matter areas of concentration. See curriculum checksheet in the Department of Education.

READING EDUCATION

The Department of Education offers a program leading to the Bachelor of Science degree in Reading Education with North Carolina Teacher Certification. Curriculum checksheets are available from departmental advisors and the office of the Chairman of the Department of Education. Students must meet the criteria stated in the Pembroke State University general catalog for admission to the Teacher Education Program.

Requirements for a Bachelor of Science Degree in Reading Education with Teacher Certification:

	Sem. Hrs.
Basic Studies Requirements (p. 59)*	50
Major Requirements EDN 102, 410 or 413 or 419, 424, 425, 483, 484, 485, 486; MUS 209; SED 340; ART 108; HED 311; PED 316; CMA 101, 318; EED 382 or 383, 394	51
Professional Education Requirements EDN 202, 227, 301 or 304, 306 or 307 or 308, 438, 441, 450, 478	25
Electives	0
Total	126

*Students who plan a major in Reading Education should consult with the Departmental Chairman or Coordinator of Reading Education prior to registering for Basic Studies courses.

SPECIAL EDUCATION

The Department of Education offers a program leading to the Bachelor of Science degree in Special Education with North Carolina certification. Curriculum checksheets are available from departmental advisors and the office of the Chairman of the Department of Education. Students must meet the criteria stated in the Pembroke State University general catalog for admission to the Teacher Education Program.

Requirements for a Bachelor of Science Degree in Special Education with Teacher Certification

Learning Disabilities Track

	Sem. Hrs.
Basic Studies Requirements (p. 59)*	50**
Major Requirements	48**
SED 100, 200, 310, 340, 401, 440, 490; EDN 102, 410 or 413, 425, 472; HED 418; MUS 209; EED 318, 382 or 383 or 384; CMA Literature (Eng., Am., or World); HST 126 or 127 or 201	
Professional Education Requirements	25
EDN 202, 227, 306 or 307 or 308, 439, 444; SED 302, 449, 471	
Electives	0
Total	123

Mental Retardation Track

	Sem. Hrs.
Basic Studies Requirements (p. 59)*	50**
Major Requirements	51**
SED 100, 200, 310, 320 or 330 or 340, 400, 490; EDN 102, 410 or 413, 425, 472; HED 418; CMA Literature (Eng. or Am. or World); HST 126 or 127 or 201; MUS 209; EED 318, 382 or 383 or 384; PSY 299; ART 224	
Professional Education Requirements	25
EDN 202, 227, 306 or 307 or 308, 439, 444; SED 301, 449, 470	
Electives	0
Total	126

*Students who plan a major in Special Education should consult with the Department Chairman prior to registering for Basic Studies courses.

**Some courses listed under Major Requirements also meet Basic Studies Requirements.

COURSES**EDUCATION (EDN)****100. Reading Laboratory**

A laboratory course designed to help (1) freshmen who are deficient in reading and study skills and (2) others referred by the several academic departments of the University. Fall, Spring, Summer. One class and one laboratory period. No credit.

101. Developmental Reading

A course designed to improve a student's vocabulary, reading rate, and comprehension skills. Open to all students. Fall, Spring. Credit, 3 semester hours.

102. Language Skills in Teaching Reading

A study designed for helping prospective elementary teachers improve their power in the use of language skills in the teaching of reading. Fall, Spring, Summer. Credit, 3 semester hours.

202. Educational Psychology

Prerequisite: EDN 227.

Theoretical and empirical findings of psychology related to the teaching-learning process in the classroom. Fall, Spring, Summer. Credit, 3 semester hours.

227. Foundations of Education I

Philosophical, historical, and sociological foundations of education, including analysis of contemporary issues and problems. It is the beginning screening course for those seeking teacher certification. Fall, Spring, Summer. Credit, 3 semester hours.

301. Early Childhood Curriculum

Prerequisite: EDN 202.

A study of curriculum emphasizing the interrelationship between content, method, and child development. Required of all early childhood majors. (Must be taken prior to student teaching.) Fall, Spring, Summer. Credit, 3 semester hours.

304. Intermediate Grades Curriculum

A study of curriculum as content and method, including innovative instructional media pertaining to the intermediate grades. (Must be taken prior to student teaching.) Fall, Spring, Summer. Credit, 3 semester hours.

306. Psychology of Early Childhood

Empirical findings and theories concerning early childhood growth and development and their relevance to early childhood education. Fall, Spring, Summer. Credit, 3 semester hours.

307. Human Growth and Development

Growth and development from conception to adulthood with focus on pre-adolescence (ages 9-13) for intermediate grades majors. Fall, Summer. Credit, 3 semester hours.

308. Psychology of Adolescence

Empirical findings and theories of adolescence relevant to the behavior and learning of adolescents. Fall, Spring, Summer. Credit, 3 semester hours.

400. Methods of Teaching in the Secondary School

Purposes, methods, materials, and evaluation procedures in the subject or area indicated; directed observation in the public schools; preparation of teaching plans and materials: (a) social studies, (b) mathematics, (c) science, (d) English, (e) business education, (f) home economics. Accelerated. Fall, Spring, Summer. Credit, 3 semester hours.

410. Teaching Reading-Early Childhood

A study of reading as a growth process and as a developmental task; to include the current trends, materials, approaches, and diagnostic procedures for meeting individual needs in early childhood education. (Must be taken during Junior or Senior year and prior to student teaching.) Fall, Spring, Summer. Credit, 3 semester hours.

413. Teaching Reading-Intermediate Grades

A study of current trends, materials, practices, and diagnostic procedures for the teaching of reading in intermediate grades. (Must be taken during Junior or Senior year and prior to student teaching.) Fall, Spring, Summer. Credit, 3 semester hours.

418. Measurement and Evaluation in Public Schools

A study of current educational measurement. Includes the use and construction of standardized mental and achievement tests, and of informal, teacher-made tests. Fall or Spring. Credit, 3 semester hours.

419. Teaching Reading in the Secondary School

Methods and materials for teaching the basic reading skills and the specific reading skills required to read in the several content areas. Required of all secondary certificate candidates. Fall. Credit, 3 semester hours.

420. Workshop in the Teaching of Reading

Prerequisite: EDN 413 or its equivalent.

A study of current reading problems, materials, methods, and instructional media designed to give the classroom teacher practical experience in the teaching of reading. Summer. Credit, 3 semester hours.

423. Research in Elementary Education

An introduction to research, designed to allow student investigation and report of a problem in elementary education with the approval and guidance of the instructor. Fall, Spring, Summer. Credit, 1-6 semester hours.

424. Modern Trends in the Teaching of Reading

Prerequisite: EDN 410 or EDN 413 or EDN 419.

Designing reading programs at all levels based on a comprehensive study of current research in the area of reading instruction. Summer. Credit, 3 semester hours.

- 425. Classroom Diagnosis of Reading Difficulties**
Prerequisite: EDN 410 or EDN 413 or EDN 419.
Methods and materials used in the diagnosis and remediation of reading difficulties. Fall, Spring, Summer. Credit, 3 semester hours.
- 426A, 426B. Workshops in Early Childhood Education**
To provide teachers and advanced students practical training and experience in aspects of early childhood education. 426-A presents academic learning with emphasis on individualization of instruction. 426-B deals with creative and artistic activities. Alternate Summers. Credit, 3 semester hours each.
- 433. Research in Secondary Education**
An introduction to research designed to allow student investigation and report of a problem in secondary education with the approval and guidance of the instructor. Fall, Spring, Summer. Credit, 1-6 semester hours.
- 434. Problems in Contemporary Education**
Designed for individual study of trends, practices, and instructional materials related to current problems in education. Fall, Spring, Summer. Credit, 1-3 semester hours.
- 435. Mainstreaming the Exceptional Student (Early Childhood)**
Prerequisite: Admission to the professional education semester.
A study of the special-needs student in the regular classroom. This course is designed to provide future educators with knowledge about, and necessary competencies to work with, exceptional children and youth. Fall, Spring. Credit, 1 semester hour.
- 436. Mainstreaming the Exceptional Student (Intermediate Grades)**
Prerequisite: Admission to the professional education semester.
A study of the special-needs student in the regular classroom. This course is designed to provide future educators with knowledge about, and necessary competencies to work with, exceptional children and youth. Fall, Spring. Credit, 1 semester hour.
- 437. Mainstreaming the Exceptional Student (Secondary)**
Prerequisite: Admission to the professional education semester.
A study of the special-needs student in the regular classroom. This course is designed to provide future educators with knowledge about, and necessary competencies to work with, exceptional children and youth. Fall, Spring. Credit, 1 semester hours.
- 438. Mainstreaming the Exceptional Student (Reading)**
Prerequisite: Admission to the professional education semester.
A study of the special-needs student in the regular classroom. This course is designed to provide future educators with knowledge about, and necessary competencies to work with, exceptional children and youth. Fall, Spring. Credit, 1 semester hour.
- 439. Mainstreaming the Exceptional Student (Special Education)**
Prerequisite: Admission to the professional education semester.
A study of the special-needs student in the regular classroom. This course is designed to provide future educators with knowledge about, and necessary competencies to work with, exceptional children and youth. Fall, Spring. Credit, 1 semester hour.

441. Foundations of Education II (Reading)

Prerequisite: Admission to the professional education semester.

Provides an understanding of the purposes, organization, and administration of reading programs in schools. Consideration is given to the role of the reading teacher in working with students and as a reading resource teacher in schools. Fall, Spring. Credit, 3 semester hours.

442. Foundations of Education II (Early Childhood)

This course provides an understanding of the purpose, organization, and administration of schools, with special emphasis on the role of the early childhood teacher in the classroom, the school, the school system, and education. Accelerated. Fall, Spring, Summer. Credit, 3 semester hours.

443. Foundations of Education II (Intermediate Grades)

This course provides an understanding of the purpose, organization, and administration of schools, with special emphasis on the role of the intermediate teacher in the classroom, the school, the school system and education. Accelerated. Fall, Spring, Summer. Credit, 3 semester hours.

444. Foundations of Education II (Special Education)

Provides an understanding of the purpose, organization, and administration of schools, with special emphasis on the role of the teacher in the special education classroom, the school, the school system, and education. Fall, Spring, Summer. Credit, 3 semester hours.

445. Foundations of Education II (Secondary)

This course provides an understanding of the purpose, organization, and administration of schools, with special emphasis on the role of the secondary teacher in the classroom, the school system, and education. Accelerated. Fall, Spring, Summer. Credit, 3 semester hours.

446. Student Teaching in the Elementary School (Early Childhood)

Provides continuous full-time student teaching experiences in an off-campus school at the early childhood level. (see pages 000-000 for eligibility criteria.) Pass/Fail grading. Fall, Spring. Credit, 6 semester hours.

448. Student Teaching in the Elementary School (Intermediate Grades)

Provides continuous full-time student teaching experiences in an off-campus school at the intermediate level. (See pages 000-000 for eligibility criteria.) Pass/Fail grading. Fall, Spring. Credit, 6 semester hours.

448. Student Teaching in the Secondary School

Provides continuous full-time student teaching experiences in an off-campus public school in the subject area for which the candidate is preparing to teach. (See pages 000-000 for eligibility criteria.) Pass/Fail grading. Fall, Spring. Credit, 6 semester hours.

450. Student Teaching in Reading Education

Provides continuous full-time student teaching experiences in an off-campus school in the teaching of reading. (See pages 000-000 for eligibility criteria.) Pass/Fail grading. Fall, Spring. Credit, 6 semester hours.

53. Teaching Social Studies in the Elementary School

Prerequisite: Basic studies requirements in history.

Designed to provide the prospective and/or in-service teacher with the opportunity to gain proficiency in analyzing social studies content and evaluating materials, trends and issues in the elementary school. As announced. Credit, 3 semester hours.

55. Teaching Science in the Elementary School

Prerequisite: Basic studies requirements in science.

Designed to assist prospective and/or in-service teachers with developing competencies for teaching elementary school science. Special emphasis will be placed on 1) designing a science curriculum which focuses on the interrelationship that exists among the science content areas, and 2) developing a process-oriented science program based on the developmental needs of the elementary school child. As announced. Credit, 3 semester hours.

53. Teaching of Mathematics in the Elementary School

Prerequisite: Basic studies requirement in mathematics.

Designed to assist prospective and/or in-service teachers with developing competencies for teaching mathematics content and processes in the elementary school. Concrete materials will be used in developing mathematical concepts. As announced. Credit, 3 semester hours.

55. Educational Trends and Practices in Pre-School Education

A study of educational trends and emerging patterns of contemporary education for the pre-school child. Emphasis placed on the roles and responsibilities of administrators, teachers, parents, volunteers and local agencies in the operation of pre-school programs. As announced. Credit, 3 semester hours.

2. Diagnostic and Remedial Mathematics Methods

Students will learn techniques for diagnosis and remediation of mathematical skill problems of children in grades K through 9. Students will also demonstrate competency in using resources and research related to mathematics (in education.) As announced. Credit, 3 semester hours.

4. Techniques, Materials and Resources in Early Childhood Education

An in-depth study of selected curriculum areas in early childhood education. Presents materials and resources included in language arts, social studies, political science, natural science, and mathematics as needed in programs for young children. Accelerated. Fall, Spring, Summer. Credit, 3 semester hours.

5. Techniques, Materials and Resources in Intermediate Grades Education

This course stresses the use of specialized materials and resources included in the several content areas of the intermediate grades. Accelerated. Fall, Spring, Summer. Credit, 3 semester hours.

8. Techniques, Materials and Resources in Reading Education

Prerequisite: Admission to the professional education semester.

This course stresses the use of specialized materials, equipment, and resources included in the teaching of reading in developmental and remedial school situations. Fall, Spring. Credit, 3 semester hours.

479. Practicum in Corrective Reading

Prerequisite: EDN 425 and/or Permission of the Chairman of the Department.
Provides the student an opportunity to experiment and/or conduct an in-depth study of selected problems or projects in the teaching of reading. Fall, Spring, Summer. Credit, 3 semester hours.

483. Psychology of Reading

Prerequisite: EDN 410 or EDN 413 or EDN 419.
A study of the psychological factors in learning to read, reading ability, reading disabilities, and the bases for instructional methods and materials in reading. Fall, Spring, Summer. Credit, 3 semester hours.

484. Tests and Measurement in Reading

Prerequisite: EDN 410 or EDN 413 or EDN 419.
A consideration of the nature and function of measurement in reading education, teacher-made and standardized tests and scales. Introduction to statistical concepts of measurement in reading education. Fall, Spring, Summer. Credit, 3 semester hours.

485. Practicum in Reading Education: Diagnosis

Prerequisites: EDN 410 or EDN 413 or EDN 419, and EDN 425 or must be taken concurrently with EDN 425.
Students engage in the actual diagnosis of children with reading disabilities under supervised laboratory conditions. Fall, Spring. Credit, 3 semester hours.

486. Practicum in Reading Education: Remediation

Prerequisite: EDN 485.
Under supervised laboratory conditions, students provide corrective and remedial reading instruction to children diagnosed as having reading disabilities. Fall, Spring. Credit, 3 semester hours.

SPECIAL EDUCATION (SED)**100. Practicum: Emotionally Handicapped; Gifted and Talented; Learning Disabled; Mentally Retarded**

An introductory course combining theory and first-hand educative experience with emotionally handicapped, gifted and talented, learning disabled, and mentally retarded (educable, trainable and severely retarded) children. Fall, Spring. Credit, 3 semester hours.

200. Introduction to Exceptional Children

Introduction to the principles, problems, and characteristics of children who are exceptional because of being gifted, blind, or partially sighted, deaf, mentally retarded, physically handicapped, or socially handicapped. Fall, Spring, Summer. Credit, 3 semester hours.

301. Special Education Curriculum

A study of the development of curriculum for exceptional children. Curriculum is treated categorically according to the specific needs of each area of exceptionability and the pre-service teacher's primary area of interest. Fall, Spring, and/or Summer. Credit, 3 semester hours.

- 302. Special Education Curriculum/Learning Disabilities**
A study of the development of curriculum for the learning disabled child and its relationship to the regular curriculum. Emphasis will be placed on scope and sequence as well as the uniqueness of the curriculum for individuals. Fall, Spring, as needed for Summer. Credit, 3 semester hours.
- 310. Introduction to the Study of Mental Retardation**
Study of mental retardation as an educational, psychological and social problem; includes characteristics, identification, prevalence, and educational provisions. Fall, Spring, Summer. Credit, 3 semester hours.
- 320. Teaching the Severely Retarded**
Study of the severely and profoundly mentally retarded as an education, psychological and social problem; includes characteristics, identification, prevalence, and educational provisions. Fall, Spring, Summer. Credit, 3 semester hours.
- 330. Teaching the Emotionally Handicapped**
Designed to teach skills in recognizing, understanding, and developing alternative strategies for remediating emotional handicaps and behavior disorders in the classroom and in the home. Fall, Spring, Summer. Credit, 3 semester hours.
- 340. Learning Disabilities of Children**
Definition, description, and educational remediation of childhood learning disabilities. Fall, Spring, Summer. Credit, 3 semester hours.
- 350. Teaching the Gifted**
Study of the needs and characteristics of gifted children, with emphasis on programs, materials and methods used in meeting the needs of gifted children. Fall, Spring, Summer. Credit, 3 semester hours.
- 60. Teaching Culturally Different Children**
An applied study of the needs and characteristics of culturally different children. The topics of sexism and racism will also be studied. As announced. Credit, 3 semester hours.
- 61. Teaching the Slow Learner**
Study of the performance characteristics of the slow-learning child and teaching techniques used in meeting his needs. Fall, Spring, Summer. Credit, 3 semester hours.
- 00. Tests and Measurement in Special Education**
Theory and practice of classroom testing of exceptional children, including techniques for test construction with emphasis on student evaluation. Fall, Spring, Summer. Credit, 3 semester hours.
- 01. Educational Assessment of Learning Disabled Children**
Provides an introduction to and practical experience with formal and informal techniques used to evaluate exceptional children. Emphasis includes the interpretation of assessment information for purposes of educational programming and individualization of instruction. Fall, Spring, as needed for Summer. Credit, 3 semester hours.

440. Learning Disabilities of Children II

Required for complete certification requirements in Learning Disabilities.
Prerequisite: SED 340.

A review of the major theories of the causes and remediation of learning disabilities and the application of these theories to students in the classroom setting. Teachers will provide case histories and/or students who have specific learning problems for whom the class will attempt to develop remediation activities. As announced. Credit, 3 semester hours.

449. Student Teaching in Special Education

Provides continuous full-time teaching experience in an off-campus public school in special classes for exceptional children. The categorical assignment will be dependent upon the pre-service teacher's concentration. Pass/Fail grading. Fall, Spring. Credit, 6 semester hours.

470. Techniques, Materials and Resources in Special Education

A study of the problems, methods, materials, and techniques used in teaching exceptional children whether classified categorically or non-categorically. Fall, Spring, Summer. Credit, 3 semester hours.

471. Techniques, Materials, and Resources in Special Education/Learning Disabilities

A study of the problems, methods, techniques and materials used in teaching the learning disabled student. A diagnostic and prescriptive approach will be taught with special emphasis on the age and academic level which the student plans to teach. (Elementary, Junior or Senior High School). Fall, Spring, as needed for Summer. Credit, 3 semester hours.

480. Manual Communications I

Students will learn to finger spell, to use manual communications, and to describe categories of hearing loss. Fall, Spring, Summer. Credit, 1 semester hour.

481. Manual Communications II

Prerequisite: SED 480.

Students will develop a large vocabulary and greater facility with manual communications. Fall, Spring, Summer. Credit, 1 semester hour.

482. Manual Communications III

Prerequisite: SED 481.

The student will continue to develop vocabulary and fluency. Video taping and other means of feedback will be used to enhance the skills of fluency, speed and accuracy. Fall, Spring, Summer. Credit, 1 semester hour.

490. Classroom Management and Consulting Techniques

School and home applications of behavior management techniques will be presented. Systematic training will be conducted in the acquisition and application of consulting and communication techniques for use with children and their families. Skills in consulting with teachers and other professionals will be developed also. Fall, Spring, as needed for Summer. Credit, 3 semester hours.

EDUCATIONAL MEDIA (EDM)**258, 259; 358, 359; 458, 459. Radio Broadcasting Laboratory**

Prerequisite: Permission of instructor; GPA 2.0; recommendation of Dean of Student Affairs and/or major advisor.

Designed to teach fundamentals of radio broadcasting. Station WPSU is used as the laboratory. Includes orientation to station policies, operation and maintenance of equipment, and radio broadcasting. Pass/Fail grading. As announced. Credit, 1 semester hour.

360. Introduction to Graphic Arts

Prerequisite: Permission of instructor.

Designed as an introduction to handset and offset printing. Covers the areas of basic press operations, mechanics of type, copy camera operations, darkroom techniques, and plate processing. Pass/Fail grading. As announced. Credit, 3 semester hours.

361. Advanced Graphic Arts

Prerequisite: EDM 360 and/or Permission of instructor.

A continuation of EDM 360. Pass/Fail grading. As announced. Credit, 3 semester hours.

60. Audio-Visual Materials and Procedures

Principles underlying the selection and use of multimedia materials for instructional purposes. Fall, Spring, Summer. Credit, 3 semester hours.

61. Advanced Educational Media

Modern communications technology and its place in instruction. Problems of utilization, evaluation of learning materials and research; television, motion pictures, teaching machines, programmed instruction and experimental innovations. Fall, Spring, Summer. Credit, 3 semester hours.

66. Workshop in Educational Media for Teachers

A workshop designed to acquaint in-service teachers with the role of educational media in the teaching-learning process with with the selecton of utilization of major types of audio-visual materials. Summer. Credit, 3 semester hours.



GEOLOGY AND GEOGRAPHY

Chairman: THOMAS E. ROSS

ELIZABETH H. KUO
GERALD BORLAND*

ROBERT L. KEBER

*Professor Emeritus

The curriculum of the Department of Geology and Geography is designed to fulfill multiple needs of the student. Courses within the department can be used by the student to meet Basic Studies requirements and to enhance the liberal arts education of the student.

The department strives to offer courses designed to enable the student to acquire knowledge and appreciation of the dynamic environment in which mankind resides. Geography courses provide the scientific foundation for the investigation and understanding of the physical environment, of mankind as inhabitant of the earth, and of the interaction of environment and mankind. Courses in geology establish the foundation for scientific investigation of the earth as well as geologic education for the student.

The department does not offer a major in either geology or geography. It does however, offer two minors: (1) Geography; and (2) Planning and Community Development. The award of a minor requires formal approval of the department.

Geography courses are accepted under the Basic Studies Program as Social and Behavioral courses. Geology courses are accepted under the Basic Studies Program as Natural Sciences and Mathematics. (See note above course descriptions.)

GEOGRAPHY MINOR

The purpose of the minor in geography is to establish a framework for the examination and understanding of the earth's natural and cultural phenomena and how the interaction of both affects mankind. Courses included in this minor are a component of broad liberal arts education and provide basic skills important to the education of persons wishing to secure employment in occupations such as natural resource development and utilization, environmental fields, and community and regional planning.

Requirements for a Minor in Geography

Course Number	Course Title	Semester Hours
GGY 101	Introduction to Geography	3
GGY 250	Cartography	3
Electives from departmental geography courses		<u>12</u>
Total		18

PLANNING AND COMMUNITY DEVELOPMENT MINOR

This is an interdisciplinary minor administered by the Department of Geology and Geography. The Planning and Community Development Minor provides the basic skills necessary for entrance into the planning field as a professional or into graduate school. The goal of the minor is to offer education in a professional field to complement the liberal arts education the student receives in the major course of study. In terms of focus, the minor concentrates on the planning problems of small cities and rural areas, thereby providing the student with a familiar laboratory and enhancing employment opportunities in the immediate area.

Requirements for a Minor in Planning and Community Development

Course Number	Course Title	Semester Hours
<i>Required Courses</i>		
GGY 160	Introduction to Planning	3
GGY 203	Planning Legislation	3
GGY 250	Cartography	3
GGY 316	Regional Planning Techniques	3
<i>Electives</i>	<i>(Selected from following courses)</i>	9
BIO 304	Principles of Ecology	4
BUS 308	Organizational Theory & Behavior	3
ECN 201	Principles of Economics I	3
ECN 330	Public Finance	3
GGY 150	Soils and Land Use Planning	3
GGY 315	Industrial Location	3
GGY 360	Urban Geography	3
GGY 362	Environmental Planning	3
GGY 401	Internship Geography and Planning	1-4
CSC 210	Introduction to Statistics	3
PLS 210	Introduction to Public Administration	3
PLS 302	Admin. of Municipal Govern. in the U.S.	3
PLS 319	Public Policy & Analysis	3
SOC 331	Population and Urbanization	<u>3</u>
Total		21

COURSES

GEOLOGY (GLY)

Geology courses may be used to meet basic studies requirements under Natural Science and Mathematics area.

100. Introduction to Physical Geology

An introduction to physical geology. Rocks and minerals, geological processes such as erosion and the development of land forms, volcanic activity, earthquakes, and oceans. The lab is optional. Fall, Spring. Credit, 3 semester hours.

100L. Introduction to Physical Geology Lab

Prerequisite: Current enrollment in or completion of Geology 100.

A lab which complements study of rocks, minerals, and topographic maps. As announced. Credit, 1 semester hour.

115. Introduction to Earth Science (GGY 115)

An introduction to the processes that control the seasons, the atmosphere, the weather, the wind systems of the world, the oceans. Some of the basics of volcanic activity, earthquakes, formation of rocks and minerals, and included. The lab is optional. As announced. Credit, 3 semester hours.

115L. Introduction to Earth Science Lab (GGY 115L)

Prerequisite: Current enrollment in or completion of GLY 115.

A lab for the study of earth heating processes, time zones, topographic maps, and a few of the common rocks and minerals. As announced. Credit, 1 semester hour.

136. Introduction to Physical Oceanography

An elementary course in ocean circulation, the properties of ocean water, waves and tides, processes of erosion and deposition along shores. The relationship between ocean processes and how these processes affect mankind is emphasized. As announced. Credit, 3 semester hours.

156. Introduction to Astronomy

An introduction to the solar system and its members, earth rotation and revolution, time-keeping, moon motions, comets, and locations of stars. Fall, Spring. Credit, 3 semester hours.

246. Climatology (GGY 246)

The same course as Geography 246. Fall. Credit, 3 semester hours.

362. Environmental Planning (GGY 362)

The same course as GGY 362. Fall or Spring. Credit, 3 semester hours.

366. Geomorphology

Prerequisite: GLY 100

Advanced study of land forms, with emphasis on dynamic processes, fluvial, solution, marine, glacial, eolian, and volcanic. Review of early and recent concepts and theories. Analysis and interpretation of local and regional land forms. As announced. Credit, 3 semester hours.

GEOGRAPHY (GGY)

Geography courses may be used to meet Basic Studies requirements under Social and Behavioral Sciences area.

101. Introduction to Geography

The earth—environment of mankind, tools and techniques of geography. Recommended as preparation for more advanced courses. Fall, Spring. Credit, 3 semester hours.

115. Introduction to Earth Science (GLY 115)

The same course as GLY 115. As announced. Credit, 3 semester hours.

115L. Introduction to Earth Sciences Laboratory (GLY 115L)

The same course as GLY 115L. As announced. Credit, 1 semester hour.

150. Soils and Land Use Planning

The course is designed to provide practical knowledge in the use of soil survey information and its application to land use planning. The first part of the course deals with the fundamentals of soil science, such as soil characteristics, formation, and classification. The second part explains the use of soil survey maps in urban and agricultural land use. As announced. Credit, 3 semester hours.

60. Introduction to Planning

An overview of planning theory, practice, and organizations structure. History of planning and planning thought. Emphasis on the relationship between planning and the society in which it occurs. Fall. Credit, 3 semester hours.

00. World Cultural Geography

Concept of culture applied to the human environment. Geographical variations and evolution resulting from interaction between cultural and physical processes. Culture and technological change. Population and migration. Cultural effects on perception of the environment. Spring. Credit, 3 semester hours.

02. Introduction to Regional Geography

Survey of most countries and regions of the world. Relation of geographic factors to contemporary problems in world affairs. As announced. Credit, 3 semester hours.

03. Planning Legislation

Examination of the legal concepts and legislation in use to achieve the goals of planning policy; enabling legislation, growth management, housing, environmental controls, and community development legislation. As announced. Credit, 3 semester hours.

6. Economic Geography (ECN 206)

Location, development and distribution of major industries, agricultural products, and economic services. Fall, Spring. Credit, 3 semester hours.

6. Climatology (GLY 246)

Scientific analysis and classification of climate data. Climatic controls. Geographic areas and their major types of climate. Fall. Credit, 3 semester hours.

250. Introduction to Cartography

Concepts and skills of map and air-photo interpretation. Cartographic techniques and conventions for planning the use of terrain and resources. Spring. Credit, 3 semester hours.

315. Industrial Location Geography

Prerequisite: GGY 206 (ECN 206) or permission of instructor.

The course will examine manufacturing and commercial activities and facilities related to assembling raw materials and distribution of products. Spatial analysis of each of the principal types of manufacturing will be studied. As announced. Credit, 3 semester hours.

316. Regional Planning Techniques

Prerequisite: GGY 160 or permission of instructor.

Theories of regions and analysis of town and city planning, area planning, and regional planning will be discussed and evaluated. Examination will be made of interdependencies within and between regions. Fall or Spring. Credit, 3 semester hours.

360. Urban Geography

Spatial structures, forms and functions of urban settlements. Size and spacing of towns and cities. Arrangement of land uses. Central business districts. Poverty, blight and renewal. Ports, transportation, and hinterlands. As announced. Credit, 3 semester hours.

362. Environmental Planning (GLY 362)

Prerequisite: GLY 100 or GGY 150 or permission of instructor.

Study of the environmental factors considered in ecologically sensitive site design; soils topography, geologic substrata, and habitats. Political, economic, and social constraints on design will be reviewed. Fall or Spring. Credit, 3 semester hours.

372. North America

Analysis of physical and cultural bases of North American geographic patterns. Emphasis upon natural conditions, settlement patterns, and regional structure. As announced. Credit, 3 semester hours.

401. Internship in Geography and Planning

Prerequisites: GGY 160, GGY 316 or permission of instructor.

Practical experience with a planning agency through an arranged internship. Supervision is provided by a designated official of the agency and by a member of the department faculty. As announced. Credit, 1-4 semester hours.

Pembroke State University students have the opportunity to minor in Planning and Community Development. Classroom activities of the minor are supplemented with off-campus experiences, such as conducting community development surveys, providing technical assistance to local communities, as well as an internship offering on-the-job experience, which often is a prerequisite for fulltime employment as a regional planner.

HEALTH, PHYSICAL EDUCATION AND RECREATION

Chairman: RAYMOND B. PENNINGTON

- ELLEN J. BRYAN

EDWIN W. CRAIN

HAROLD T. ELLEN

LACEY E. GANE

KENNETH P. JOHNSON*

LALON JONES

BILLY LEE
- BOB McEVOY

LINDA ROBINSON

LARRY RODGERS

MIKE SCHAEFFER

P. J. SMITH

TOMMY M. THOMPSON

MAUDE ANN WEBB

*Professor Emeritus

The purposes of the Department of Health, Physical Education and Recreation are: (1) to provide a comprehensive academic program in health, physical education and recreation for students who plan to pursue one of these fields as a profession; (2) to provide professional preparation for prospective teachers in the area of physical education; (3) to provide a service program which will afford all students the opportunity to learn and participate in a wide range of activities which will benefit them now and in the future; (4) to provide competition for all interested students through a comprehensive program of intramural athletics in both team and individual sports; and (5) to provide recreational activities that will enable students and faculty to enjoy their leisure time in a program that will benefit them physically, mentally, and socially.

Requirements for a Bachelor of Science Degree in Health, Physical Education and Recreation

	Sem. Hrs.
Basic Studies (p. 59)*	50
Major Requirements: HED 214, 309, 311, 315, 418; PED 134 or 140, 138, 200, 230, 231, 232 (2 of 3); 316, 325, 336, 340, 341, 348, 349; 350, 351, 353, 354, 355, 360, 364, 366 (any 3); 415, 424, REC 428,	
Electives	17
Total	120

*Students who plan a major in Health, Physical Education and Recreation should consult with the department chairman prior to registering for Basic Studies Courses.

Requirements for a Bachelor of Science Degree in Physical Education with Certification by the State for Teaching in the Public Schools

	Sem. Hrs.
Basic Studies (p. 59)* (6 hrs. History and 6 hrs. Literature required)	50
Major Requirements: HED 309, 311, 315; PED 134 or 140, 138, 200, 316, 325, 336, 340, 341, 348, 349; 350, 351, 352, 353, 354, 355, 364, 366 (any 3); 415, 424	42
Professional Education Requirements: EDN 202, 227, 308, 400, 419, 437, 445, 448	25
Electives	3
Total	120

*Students who plan a major in Health, Physical Education and Recreation should consult with the Department Chairman prior to registering for Basic Studies Courses.

Requirements for a Minor in Athletic Coaching

	Sem. Hrs.
Minor Requirements: PED 230, 231, 232 (2 of 3); 326, 348, 349; 350, 351, 352, 353, 354, 355, 364, 366 (4 of 8); 415; HED 315	24
Total	24

Requirements for a Minor in Physical Education

	Sem. Hrs.
Minor Requirements: HED 214, 315 (1 of 2); 309; PED 134, 140 (1 of 2); 230, 231, 232 (1 of 3); 316, 325, 336, 340, 341; 350, 351, 352, 353, 354, 355, 364, 366 (2 of 8); 415	24
Total	24

Requirements for a Minor in Recreation

	Sem. Hrs.
Minor Requirements: HED 214; PED 134, 140 (1 of 2); 230, 231, 232 (2 of 3); 131, 132, 133, 135, 137, 138, 139, 141, 142, 144, 145, 146, 149, 170, 171, 172, 173, 174 (2 of 18); 340, 341; 350, 351, 352, 353, 354, 355, 364, 366 (2 of 8); REC 300, 320, 327, 428	24
Total	24

COURSES

HEALTH EDUCATION (HED)

214.

Safety Education and First Aid
Fundamental and practical application of administering the techniques of first aid and safety using the regular Red Cross First Aid course. Fall or Spring. Credit, 3 semester hours.
309.

Basic Hygiene
Emphasis on personal hygiene and the student's obligation to serve society through the promotion of individual, family, and public health. Fall or Spring. Credit, 3 semester hours.

311. Health Education Activities for Elementary School Children

The principles, practices and procedures in health education for grades K-9. Fall or Spring. Credit, 3 semester hours.

315. Prevention and Care of Athletic Injuries

Prerequisite: HED 309.

Emphasizes training in the prevention, diagnosis, and care of athletic injuries with practical application in strapping, bandaging, massage, and the use of special protective equipment in treatment. Fall or Spring. Credit, 3 semester hours.

418. Health and Physical Education Activities for Exceptional Children

Designed especially for teachers of exceptional children. Practical application of health and physical education activities appropriate for varying age and grade levels. Fall or Spring. Credit, 3 semester hours.

PHYSICAL EDUCATION (PED)**200. Introduction to Physical Education***

An introduction to basic physical education concepts of fitness, weight training and conditioning, fundamental psychomotor skills, rhythmic skills, and stunts and tumbling skills. Fall or Spring. Credit, 3 semester hours.

230. The Theory and Techniques of Officiating Sports I

An intensive study of the rules and mechanics of officiating football, soccer and wrestling. Special emphasis will be placed on the rules published by the National Alliance. Fall. Credit, 1 semester hour.

231. The Theory and Techniques of Officiating Sports II

An intensive study of the rules and mechanics of officiating basketball, baseball, softball, track and field. Special emphasis will be placed on the rules published by the National Alliance. Spring. Credit, 1 semester hour.

232. The Theory and Techniques of Officiating Sports III

An intensive study of the rules and mechanics of officiating field hockey, tennis, and volleyball. Special emphasis will be placed on the rules published by the National Alliance. Fall. Credit, 1 semester hour.

316. Physical Education Activities for Elementary School Children

A study of the materials and methods of physical education in grades K-9 as it relates to rhythmic activities, group play, and other physical activities appropriate to these levels. Fall or Spring. Credit, 3 semester hours.

325. Practicum in Physical Education

Practical experience in teaching physical education activities. Student is assigned to a member of the physical education faculty as an assistant. Fall or Spring. Credit, 1 semester hour.

326. Practicum in Athletic Coaching

Practical field experience in coaching athletic teams. Student is assigned to either a member of the University coaching staff or a junior or senior high school head coach as an assistant. Fall or Spring. Credit, 1 semester hour.

*PED 200 is prerequisite for all 300-400 level courses for physical education majors.

336. Foundations of Health and Physical Education

A study of the relationships and contributions of health and physical education to general education: historical and philosophical backgrounds, basic biological, physiological, and sociological foundations of the modern program. Fall or Spring. Credit, 3 semester hours.

340. Skills and Applied Techniques in the Teaching of Swimming

Prerequisite: PED 134 or 140.

Methods, materials, techniques, and skills of teaching swimming. Fall or Spring. Credit, 1 semester hour.

341. Skills and Applied Techniques in the Teaching of Tumbling and Gymnastics

Methods, materials, techniques, and skills of teaching tumbling and gymnastics. Fall or Spring. Credit, 1 semester hour.

348. Anatomy and Kinesiology

Prerequisite: BIO 100 or 102.

An analytical study of the structure of the human body with special application to bodily movements in physical education and sports. Laboratory experiments relating to body performance will supplement the lectures as the instructor and student determine needs and interests. Fall. Credit, 4 semester hours.

349. Physiology

Prerequisite: BIO 100 or 102.

An analytical study of the physiological aspects of gross motor performance. Laboratory experiments and observations of the body as a functioning model in physical education and sports will supplement the lectures as the instructor and students determine needs and interests. Spring. Credit, 3 semester hours.

350. Coaching Football

A study of offensive and defensive play; rules, strategies, and problems of conditioning teams. Fall. Credit, 2 semester hours.

351. Coaching Basketball

A study of offensive and defensive play; rules, strategies, and problems of conditioning teams. Fall. Credit, 2 semester hours.

352. Coaching Track and Field

A study of fundamentals, individual techniques and team play, conditioning maintaining facilities and staging meets. Spring. Credit, 2 semester hours.

353. Coaching Baseball and Softball

A study of offensive and defensive play; rules, strategies, problems of conditioning teams and maintaining facilities. Spring. Credit, 2 semester hours.

354. Coaching Wrestling

A study of offensive and defensive play; rules, strategies, and problems of conditioning teams. Spring. Credit, 2 semester hours.

355. Coaching Soccer

a study of offensive and defensive play; rules, strategies, and problems of conditioning teams. Fall. Credit, 2 semester hours.

- 364. Coaching Volleyball**
A study of offensive and defensive play; rules, strategies, and problems of conditioning teams. Fall. Credit, 2 semester hours.
- 366. Coaching Tennis**
A study of fundamentals, individual techniques and team play, conditioning, maintaining facilities and conducting matches. Spring. Credit, 2 semester hours.
- 400. Methods of Teaching Health and Physical Education**
Purposes, methods, materials, techniques and evaluation procedures in health and physical education for K-12. Directed observation in the public schools; preparation of teaching plans and materials. Fall or Spring. Credit, 3 semester hours.
- 415. Organization and Administration of School Health, Physical Education, and Athletics**
A study of the organization and administration of school health, physical education, and athletics with particular reference to relationships with the general education program and the work of the health, physical education, and recreation specialist. Fall or Spring. Credit, 3 semester hours.
- 424. Tests and Measurement in Physical Education**
An analysis of the methods of evaluation in physical education; statistical analysis and interpretation of data. Fall or Spring. Credit, 3 semester hours.

RECREATION (REC)

- 300. Introduction to Community Recreation**
An introduction to the basic concepts of organized recreation including its philosophy, history, organizational patterns, programs, facilities, and leadership. Fall or Spring. Credit, 3 semester hours.
- 320. Recreation Leadership and Supervision**
An overview of practices, methods, and the processes of staff development in leisure service including an analysis of varied leadership functions and methods. Fall or Spring. Credit, 3 semester hours.
- 327. Practicum in Recreation**
Practical field experience in an off-campus setting including city and county public recreation agencies. Fall or Spring. Credit, 1 semester hour.
- 428. Playground and Community Recreation: Organization and Administration**
A study of organized recreation with emphasis on background and theories; objectives and principles; social and economic factors; and organization and administration of playground and recreation programs. Spring. Credit, 3 semester hours.
- 450. Internship in Recreation Management/Administration**
Prerequisite: Senior standing.
The Internship in Recreation Management/Administration is coordinated by a University faculty member of the Department of HPER. The student will be under the supervision of an experienced recreation administrator for experiences related to the operation of a recreation program. The assignment will be within a

municipal, county, state, or private agency which has as one of its primary functions, that of providing recreation programs. Plans must be made in advance with the faculty advisor and approved by the Department Chairperson. Fall or Spring. Credit, 6 semester hours.

PHYSICAL EDUCATION SERVICE PROGRAM (PED)

Each service course meets two hours a week for one-half semester. Credit, 1 semester hour.

- | | |
|----------------------------|---------------------------------------|
| 131. Archery | 142. Social Dance |
| 132. Badminton | 144. Trampoline |
| 133. Beginning Golf | 145. Volleyball |
| 134. Beginning Swimming | 146. Weight Training |
| 135. Beginning Tennis | 149. Scuba Diving |
| 137. Bowling | 170. Softball |
| 138. Folk Dancing | 171. Intermediate Tennis |
| 139. Racquetball | 172. Advanced Lifesaving |
| 140. Intermediate Swimming | 173. Water Safety Instructor's Course |
| 141. Physical Conditioning | 174. Modern Dance |

VARSITY SPORTS (PED)

Varsity sports are open to the members of varsity teams only and with approval of the Head Coach. Credit, 1 semester hour.

- | | |
|-------------------------------|---------------------------------|
| 150. Varsity Baseball | 158. Varsity Wrestling (Men) |
| 151. Varsity Basketball (Men) | 159. Varsity Cheerleading |
| 152. Varsity Cross Country | 160. Varsity Basketball (Women) |
| 153. Varsity Golf | 161. Varsity Tennis (Women) |
| 154. Varsity Soccer | 162. Varsity Volleyball (Women) |
| 156. Varsity Tennis (Men) | 163. Varsity Softball (Women) |
| 157. Varsity Track and Field | |

NOTE: Each student enrolled in any type of activity class is required to have a gymnasium uniform.

All service courses and varsity sports will be graded on a Pass/Fail basis.



HISTORY

Chairman: JOHN CHAY

- ROBERT W. BROWN

WILLIAM R. BULLARD

LOREN L. BUTLER, II

ADOLPH L. DIAL

DAVID K. ELIADES
- PAUL K. FREIWIRTH

JEROME A. McDUFFIE

*CLIFTON OXENDINE

WILLIAM P. TURNER

*Professor Emeritus

History is a liberating discipline. Through the study of the political, social, and cultural aspects of modern society and the rise and development of major civilizations, an individual is able to expand his insights into the human experience and achievement. The study of history enables the individual to understand the major issues which confront mankind and makes possible a more reasoned and intelligent response to these problems.

The department offers preparation to individuals intent upon almost every career and profession. While the department offers a sound foundation for students who wish to teach history and other social studies, it also prepares students to continue with graduate or special work in history. Courses offered by the department likewise provide a background for students who wish to study law, enter government service or obtain a background for other professions.

History majors will be assigned an advisor whose responsibility is to help students plan their program. History majors must have the approval of their advisor to register for advanced history courses.

While the History Department does not require a foreign language, students planning graduate study in history should acquire a reading knowledge of one modern foreign language.

Requirements for a Bachelor of Arts Degree in History

	Sem. Hrs.
Basic Studies (p. 59)	50
Major Requirements	39
Basic History	(12)
Four courses from HST 126, 127, 201, 244, 265, and 280.	
Advanced History (300 and 400 level courses)	(27)

Option 1		
Two courses each from the American and European areas; one course from the Latin American, Canadian, and non-Western areas: HST 451 (Senior Seminar); one colloquium; and two electives.		
Option 2		
Approval of contract		
HST 451 (Senior Seminar); two colloquia and six approved electives.		
Electives		31
	Total	120

Requirements for a Bachelor of Arts in History: Secondary Social Studies Education

The Department of History offers a program leading to certification by the North Carolina State Department of Public Instruction to teach social studies on the secondary level. This program differs substantially from the program for a Bachelor of Arts in History without certification. Certification candidates must not only satisfy the Basic Studies requirements of the University and the history requirements established by the Department; they must also satisfy a social studies requirement, a literature requirement, the competency requirements laid down by the State Board of Education, and the professional education requirements needed for certification. Additionally, students seeking admission to this program must meet the criteria listed on pages 000-000 for admission to the teacher education program. Accordingly, the Bachelor of Arts in History: Secondary Social Studies Education requires more preparation than the Bachelor of Arts in History without certification. Except for courses listed as professional credits for teacher certification, the additional courses required in the Secondary Social Studies Education program, when overlap or duplication occurs, may also satisfy the Basic Studies requirements of the University.

	Sem. Hrs.
Basic Studies Requirements (p. 59)	50
Certification candidates are required to take six semester hours in either American Literature (choose from CMA 220, 222, or 223), or English Literature (choose from CMA 217 or 218), or World Literature (choose from CMA 205, 206).	
History Requirements	24-30*
HST 127, 201, 244, 265, 280, and 317	
Six semester hours selected from HST 321, 323, 337, 344, 351, 382, 383, 394, and 419	
Six semester hours selected from HST 305, 306, 308, 310, 311, 313, 319, 360, 403, 408, 410, 413.	

Social Studies	15-27
ECN 201 or 206; GGY 101 or 200; PSL 100 or 101; SOC 101 or 201; SOC 202 or 455; SSE 300, 360 and 361	
Six additional semester hours in one of the following fields: economics, geography, political science, or sociology. Courses listed as directed research, field work, independent study, and internship cannot be used to satisfy this requirement.	
Professional Education	25
EDN 202, 227, 308, 419, 437, 445, and 448; SSE 400	
Total	124-132

*Six semester hours of history can be counted under Basic Studies.

- Minor in History
- 18 unduplicated hours (6 courses) including 6 hours selected from HST 126, 127, 201, 244, 265 and 280
 - 12 hours in advanced history courses (300 or 400 level courses).

COURSES

HISTORY (HST)

INTRODUCTORY COURSES

126. Introduction to Early European Civilization
- A survey of early European civilizations from their pre-Greek origins to the Renaissance. Fall, Spring. Credit, 3 semester hours.
127. Introduction to Modern European Civilization
- An introductory survey of major trends in European social, economic, cultural, and political history from the Renaissance to the present. Fall, Spring. Credit, 3 semester hours.
201. Introduction to American Civilization
- A general survey of the cultural, political, social, and economic development of the United States from its colonial origins to the present. Fall, Spring. Credit, 3 semester hours.
210. History of the American Indian (AIS 210)
- A survey of the major Indian cultures of North America with emphasis on those located in the eastern half of the United States. Spring. Credit, 3 semester hours.
244. Introduction to Asian Civilizations
- A general survey of the history, institutions, and cultures of east and southeast Asia, the Middle East, and the Indian subcontinent from ancient times to the present. Fall, Spring. Credit, 3 semester hours.
265. Introduction to African Civilizations
- A general survey of the cultural, political, social, and economic development of the African continent from antiquity to the present. Fall, Spring. Credit, 3 semester hours.

280. Introduction to Latin American Civilization

An introduction to the civilization that developed in Latin America following European exploration and conquest, with emphasis on the cultural and economic contributions of Americans, Africans, and Europeans. Fall, Spring. Credit, 3 semester hours.

U.S. HISTORY**305. United States History: The Colonial Period, 1607-1763**

Prerequisite: HST 201 or permission of instructor.

A study of the American colonial experience to the end of the French and Indian war. Fall. Credit, 3 semester hours.

306. United States History: The Revolutionary and Early National Period, 1763-1800

Prerequisite: HST 201 or permission of instructor.

An in-depth examination of the American Revolution, the establishment of a central government, and the impact of party politics. Spring. Credit, 3 semester hours.

308. United States History: The Jefferson-Jackson Era, 1800-1844

Prerequisite: HST 201 or permission of instructor.

A study of the major political, economic, social, and cultural developments from the presidency of Jefferson to the emergence of the Whigs. Fall. Credit, 3 semester hours.

310. United States History: Sectionalism, Civil War, and Reconstruction, 1844-1877

Prerequisite: HST 201 or permission of instructor.

A thematic and topical study of American history from 1844 to 1877 with an emphasis on sectionalism, the Civil War, and Reconstruction. Spring. Credit, 3 semester hours.

311. United States History: The Gilded Age to the New Deal, 1877-1932

Prerequisite: HST 201 or permission of instructor.

A thematic and topical study of American history from 1877 to 1932 with an emphasis on protest politics and American imperialism. Fall. Credit, 3 semester hours.

313. United States History: Recent America, 1932-Present

Prerequisite: HST 201 or permission of instructor.

An analysis of problems growing out of social, economic, and political conditions since 1932. Spring. Credit, 3 semester hours.

317. History of North Carolina

Prerequisite: HST 201 or permission of instructor.

A study of selected phases of the development of North Carolina from its colonial beginnings to the present. Fall, Spring. Credit, 3 semester hours.

319. History of the American Indian in North Carolina (AIS 319)

Prerequisite: HST 201 or permission of instructor.

An examination of selected topics concerning the most significant Indian cultures and tribes in North Carolina, with emphasis on the Cherokee, Catawba, Tuscarora, and Lumbee peoples. Spring. Credit, 3 semester hours.

360. Afro-American History

Prerequisite: HST 201 or permission of instructor.

A treatment of the black people in American history from their African origins to the present. Fall. Credit, 3 semester hours.

378. The American West: Myth and Reality (CMA 378)

Prerequisite: HST 201 or permission of instructor.

An inter-disciplinary study of the American West through films, literature, and history. Although the course will emphasize the events of the period from 1850 to 1890, it will also attempt to show the influence of the West as a concept down to the present. Spring. Credit, 3 semester hours.

403. History of the South

Prerequisite: HST 201 or permission of instructor.

A political, economic, and cultural study of the South and its effort to sustain a significant role in the union. Fall, Spring. Credit, 3 semester hours.

406. U.S. Military History

Prerequisite: HST 201 or permission of instructor.

A survey of American military policies and operations from 1776 to the present with emphasis on World War II, the Cold War, Korea, and Viet Nam. Fall or Spring. Credit, 3 semester hours.

408. Economic History of the United States (ECN 341)

Prerequisite: HST 201 or permission of instructor.

A thematic study of the economy of the United States from colonization through the administration of President Jimmy Carter. Spring. Credit, 3 semester hours.

410. U.S. Social and Intellectual History

Prerequisite: HST 401 or permission of instructor.

The daily life, institutions, intellectual, and artistic achievements of the American people from 1607 to the present. Fall or Spring. Credit, 3 semester hours.

413. History of U.S. Foreign Policy (PLS 413)

Prerequisite: HST 201 or permission of instructor.

A study of the major trends, issues, and problems in U.S. foreign policy. Fall, Spring. Credit, 3 semester hours.

EUROPEAN HISTORY**421. Ancient History**

Prerequisite: Permission of instructor.

A survey of ancient history from the beginnings of civilization to A.D. 500. Fall. Credit, 3 semester hours.

423. The Formation of Western Culture, A.D. 500-1500

Prerequisite: Permission of instructor.

A survey of the development of western cultures from the fall of Rome to the Renaissance. Fall. Credit, 3 semester hours.

424. Byzantine and Islamic History

Prerequisite: Permission of instructor.

A survey of the history of the Mediterranean world from A.D. 284 to A.D. 1453. Spring. Credit, 3 semester hours.

327. Early Modern Europe, 1500-1789

Prerequisite: HST 127 or permission of instructor.

A survey of European history from the Renaissance to the French Revolution. Fall. Credit, 3 semester hours.

329. Revolution, Liberalism, and Nationalism in Europe, 1789-1914

Prerequisite: Hst 127 or permission of instructor.

A survey of European civilization from the French Revolution to the outbreak of the First World War. Spring. Credit, 3 semester hours.

332. Twentieth Century Europe

Prerequisite: HST 127 or permission of instructor.

A study of conflict and cooperation in an era of global war, with emphasis on the interaction of democracy, communism, fascism, and imperialism. Spring. Credit, 3 semester hours.

335. European Diplomatic History, 1871-1949

Prerequisite: HST 127 or permission of instructor.

A study of European diplomatic history from the Franco-German War to the creation of NATO. Spring. Credit, 3 semester hours.

337. Modern European Economic and Social History

Prerequisite: HST 127 or permission of instructor.

A survey of the European economy and social classes from the birth of capitalism to the present. Fall, Spring. Credit, 3 semester hours.

416. English History to 1688

Prerequisite: HST 127 or permission of instructor.

A study of English history from the Celts to the Revolution of 1688, with special emphasis on the development of the English constitution. Fall. Credit, 3 semester hours.

417. English History since 1688

Prerequisite: HST 127 or permission of instructor.

A study of English history since the Revolution of 1688, with special emphasis on industrialization and the growth of representative government. Spring. Credit, 3 semester hours.

418. Imperial Russia

Prerequisite: HST 127 or permission of instructor.

A study of the origins of the Russian state, the development of the Moscow tsardom and empire, and the decline of imperial Russia in the 19th century. Fall. Credit, 3 semester hours.

419. History of the Soviet Union

Prerequisite: HST 127 or permission of instructor.

A study of the Russian Revolution and the development of the Soviet Union from Lenin to the present. Alternate Spring. Credit, 3 semester hours.

420. History of the German Nation

Prerequisite: HST 127 or permission of instructor.

A study of the development of the German nation from the earliest times to the present. Fall. Credit, 3 semester hours.

427. European Intellectual History since 1400

Prerequisite: HST 127 or permission of instructor.

A study of the main currents of European thought, with special emphasis on the Renaissance, Reformation, Enlightenment, Liberalism, and Socialism. Fall, Spring. Credit, 3 semester hours.

LATIN AMERICAN, CANADIAN, AND NON-WESTERN HISTORY**344. Modernization Process in East Asia**

Prerequisite: HST 244 or permission of instructor.

Study of the problems and process of modernization in the three East Asian countries: China, Japan, and Korea. Fall, Spring. Credit, 3 semester hours.

345. The United States and the Far East

Prerequisite: HST 244 or permission of instructor.

A study of the major factors and the processes concerning American involvement in the Far East from the beginning of the Republic to the present; to include the nature of the international system in the Far East and changing American interest and policies in the region. Fall or Spring. Credit, 3 semester hours.

351. History of the Modern Middle East

Prerequisite: HST 244 or permission of instructor.

A study of the major trends and issues in the Middle East in the modern world. Fall, Spring. Credit, 3 semester hours.

382. South America Since Independence

Prerequisite: HST 280 or permission of instructor.

A study of South America from Independence to the present. Spring. Credit, 3 semester hours.

383. Mexico and the Caribbean Since Independence

Prerequisite: HST 280 or permission of instructor.

A survey of the republics of Mexico, Central America, and the Caribbean Islands. Fall. Credit, 3 semester hours.

384. History of Latin American Political Institutions

Prerequisite: HST 280 or permission of instructor.

An examination of political institutions and types of government in selected Latin American countries since Independence. Fall, Spring. Credit, 3 semester hours.

385. Indians of Latin America (AIS 324)

A study of the history, culture and contemporary achievements of the Indians residing south of the Rio Grande. Fall. Credit, 3 semester hours.

394. History of Canada

Prerequisite: Permission of instructor.

A study of Canada from the early explorations and settlements to the present, with special emphasis on the French and British in Canada, the advance from self-government to Confederation, and the relations of Canada with the United States and the British Commonwealth. Fall, Spring. Credit, 3 semester hours.

431. The United States and Latin America

Prerequisite: HST 280 or permission of instructor.

A study of the special relationship between the American republics in the 19th and 20th centuries, the development of Pan-Americanism and the Organization of American States. Fall, Spring. Credit, 3 semester hours.

COLLOQUIA AND SEMINARS**402. Colloquium: Selected Topics in American History**

Prerequisite: Permission of instructor.

An investigation into selected topics in American history through reading significant books, discussions, and supplementary reports. The focus of the course will be determined by the specialization of the instructor. Fall, Spring. Credit, 1-3 semester hours.

426. Colloquium: Selected Topics in European History

Prerequisite: Permission of instructor.

An investigation into selected topics in European history through reading significant books, discussions, and supplementary reports. The focus of the course will be determined by the specialization of the instructor. Fall, Spring. Credit, 1-3 semester hours.

451. Senior Seminar

Prerequisite: 2.0 G.P.A. In history courses taken, and completion of 15 hours of advanced history courses.

A study of special problems in a selected area of history with emphasis on historiography, methods, research, and writing skills. Fall, Spring. Credit, 3 semester hours.

GENERAL AND SPECIAL COURSES**338. History and Development of Christian Thought (REL 338)**

Prerequisite: Permission of instructor.

A study of selected men, movements, and ideas that have contributed to the development of Christianity after Paul to the 20th century. Fall. Credit, 3 semester hours.

399. Directed Reading in History

Prerequisite: Permission of instructor, completion of all lower division history requirements, and six hours of advanced history.

Directed reading under the guidance of instructor. Fall, Spring, Summer. Credit, 1-3 semester hours.

425. World Revolutions

Prerequisite: Permission of instructor.

An examination of the causes, course, and consequences of the major revolutions from 1789 to the present. Fall. Credit, 3 semester hours.

455. Historical Sites Study

Prerequisite: Permission of instructor.

A conducted tour of selected historical sites with an emphasis on a particular period or geographical area of history. Cannot be used to satisfy requirements for history major. Summer. Credit, 2-6 semester hours.

480. Workshop in Selected Non-Western Cultures

A workshop designed to assist in-service teachers and advanced students in expanding their conceptual understanding of selected non-Western cultures. Instruction will center on providing insight into the customs, traditions, values, and beliefs found within selected non-Western societies by examining the past history of those societies. Summer. Credit, 1-6 semester hours.

481. Workshop in Selected Western Cultures

A workshop designed to assist in-service social studies teachers and advanced students in expanding their conceptual understanding of selected Western cultures. Instruction will center on (1) the structure and functions of the social, political, and economic institutions in selected Western societies; (2) the development of unique characteristics of past and present selected Western societies; and (3) issues and problems which have persisted throughout history. Summer. Credit, 1-6 semester hours.

485. Workshop in Minority History

A workshop designed to assist advanced students and in-service teachers in expanding their conceptual understanding of cultural pluralism as it exists in the United States. Instruction will center on the roles played by various racial and ethnic minorities in the growth of the United States. Special emphasis will be given to the American Indian and the Black American. Summer. Credit, 1-6 semester hours.

499. Independent Study in History

Prerequisite: Permission of the Department.

Directed reading and research under the guidance of the instructor in a specific area or problem in history. Scheduled only for senior history majors with the approval of the Chairman of the Department. Fall, Spring. Credit, 1-3 semester hours.

SOCIAL STUDIES EDUCATION (SSE)

The courses in Social Studies Education are designed to help prospective teachers to develop the competencies needed in the classroom. These courses should be taken only after the student has given careful consideration to career objectives. The Social Studies Education courses are not history courses, and they cannot be used to meet history requirements.

00. Introduction to Teaching Social Studies in the Secondary School

Required of history majors seeking certification.

Prerequisite: EDN 227 and 15 semester hours in history with 2.5 average.

Designed to provide: (a) an overview of social studies in the secondary school, including past and present trends and (b) early experiences for prospective teachers. These experiences include school and community involvements, a planned program of observational and participatory experiences in various school activities. Fall, Spring. Credit, 2 semester hours.

360. Social Studies for the Secondary Teacher I

Required of history majors seeking certification.

Prerequisite: Fifteen semester hours in social studies or permission of the instructor, and SSE 300.

Designed to familiarize students seeking certification in the secondary social studies with the boundaries, objectives, source materials, and methods of anthropology, economics, and geography. Fall, Spring. Credit, 2 semester hours.

361. Social Studies for the Secondary Teacher II

Required of history majors seeking certification.

Prerequisite: SSE 360.

Designed to familiarize students seeking certification in the secondary social studies with the boundaries, objectives, source materials, and methods of history, political science, and sociology. Fall, Spring. Credit, 2 semester hours.

400. Methods of Teaching Social Studies in the Secondary School

Required of history majors seeking certification.

Prerequisites: SSE 300, 360, 361, and 30 hours in history with a 2.5 quality point average.

Materials and basic teaching strategies employed in teaching social studies in grades seven through twelve. Fall, Spring. Credit, 3 semester hours.



MATHEMATICS AND COMPUTER SCIENCE

Chairman: CHARLES D. BASS

JOSEPH W. GOLDSTON
JAMES A. JACOBS*
JAMES R. KRABILL**
RHODES PEELE

STEVE PAX
LAIRD PRUSSNER
GILBERT L. SAMPSON
WILLIAM L. TRUMAN
MARY D. WILSON

*Professor Emeritus

**On leave

Mathematics is a precise and demanding subject which has remained a central part of mankind's intellectual achievement for over three thousand years. Important not only in intellectual affairs but in practical matters as well, mathematics has assumed a greater and wider role in today's world with the development of the digital computer. The department offers courses covering both the intellectual and practical sides of mathematics, the ground between, and digital computing.

A mathematics major must complete the requirements of one of three major tracks: the mathematics track, the certification track, or the computer track. The requirements of each track are listed below. The department also offers minors in mathematics and computer science; their requirements are listed below also. In addition, the mathematics department cooperates with the education department in offering a mathematics concentration for elementary (4-9) education majors.

The departmental faculty welcome the opportunity to advise the major and non-major alike. Someone thinking of majoring in mathematics is especially urged to consult with the Department Chairman prior to registering for Basic Studies courses. All majors are urged to consult with their advisors periodically.

Most non-majors should fulfill the Basic Studies requirement in mathematics by taking one of MAT 101, 105, 107 or 108. Well-prepared students may select MAT 109 or 221 for this purpose.

Requirements for a Bachelor of Science Degree in Mathematics: Track in Mathematics

	Sem. Hrs.
Basic Studies (p. 59)*	50
Major Requirements	
MAT 107 and 108, or MAT 109, or equivalent courses in secondary school; also MAT 220, 221, 222, 315, 316, 325, 431, and nine additional semester hours of advanced mathematics	33-39
Electives	31-37
Total	120

Requirements for a Bachelor of Science Degree in Mathematics with Certification by the State to Teach Mathematics at the Secondary Level

	Sem. Hrs.
Basic Studies (p. 59)*	50
Major Requirements	
MAT 107 and 108, or MAT 109, or equivalent courses in secondary school; also MAT 220, 221, 222, 315, 316, 325, 411, 431, and six additional semester hours of advanced mathematics	33-39
Professional Education Requirements	
EDN 202, 227, 308, 400, 419, 437, 445, 448	25
Electives	6-12
Total	120

Requirements for a Bachelor of Science Degree in Mathematics: Track in Computer Science

	Sem. Hrs.
Basic Studies (p. 59)*	50
Major Requirements	
MAT 107 and 108, or MAT 109, or equivalent courses in secondary school; also MAT 221, 222, 315, 316; and three semester hours selected from MAT 317, 325, 328, 329. CSC 100**; CSC 200 or 201; also CSC 250, 270, 350, 420, 450; CSC 210 or MAT 330; and three semester hours selected from CSC 370, 400, 410, or MAT 327	45-52
Electives	18-25
Total	120

*Students who plan a major in mathematics should consult with the Department Chairman prior to registering for Basic Studies courses.

Requirements for a Minor in Mathematics

	Sem. Hrs.
MAT 221, 222, 315, 316; and three additional hours selected from advanced mathematics courses (300 or above) or CSC 250.	18

Requirements for a Minor in Computer Science

CSC 100**; CSC 200 or 201; CSC 250, 270; CSC 350 or 370;
and six additional hours selected from CSC 210, 350, 370,
400, 410

Sem. Hrs.

18.-21

**CSC 100 may be waived at the discretion of the Director of the Program based on the work or academic experience of the student.

COURSES

GENERAL (MAT)

101-102. Mathematics for Elementary School Teachers

Prerequisite: MAT 101 is required for MAT 102.

A basic general concept course dealing with the topics in mathematics taught in the elementary schools such as sets, operations on sets, bases, modular arithmetic, and the development of the real number system. MAT 101 is required for K-3, 4-9, reading education, and special education majors. MAT 102 is required for 4-9 majors. MAT 101 offered Fall, Spring and Summer; MAT 102 offered Spring and Summer. Credit, 3 semester hours each.

05. Introduction to College Mathematics

Fundamental principles of mathematics. Elementary set theory, systems of numeration and elementary mathematical logic. Fall, Spring, Summer. Credit, 3 semester hours.

07. College Algebra

A study of the real numbers, algebraic expressions and sets. First and second order equations and first order inequalities and their graphs. Functions, exponents and logarithms. Fall, Spring, Summer. Credit, 3 semester hours.

08. Plane Trigonometry

Prerequisite: MAT 107.

Angular measure, solution of right triangles, trigonometric function values of any angle, fundamental trigonometric relations, graphs of the trigonometric functions, solution of oblique triangles, logarithmic solution of triangles. Fall, Spring. Credit, 3 semester hours.

09. College Algebra and Trigonometry

Real and complex numbers, sets, inequalities, functions and their graphs; polynomials, rational functions, and algebraic functions; exponential logarithmic, and trigonometric functions. Analytic geometry. Fall. Credit, 3 semester hours.

18. Finite Mathematics

Prerequisite: MAT 107 or equivalent.

Set theory, symbolic logic, permutations and combinations, probability, conditional probability, matrices and systems of equations. Some applications to stochastic processes. Markov chains, linear programming, statistics. Fall, Spring, Summer. Credit, 3 semester hours.

210. Introduction to Statistics (CSC 210)

Recommended prerequisite: MAT 107.

Elementary statistical analysis using a computer-based statistics package and data. Measures of central tendency and variability; properties of the binomial, normal, and Poisson distributions; hypothesis testing and sampling; and regression analysis. A required one hour per week laboratory. Fall. Credit, 4 semester hours.

ANALYSIS (MAT)**221. Calculus I**

Prerequisite: MAT 108 or MAT 109 or equivalent.

Study of functions of one variable, topics from analytic geometry, limits and continuity; differentiation of algebraic functions; curve sketching; various applications chosen from physics, economics, and optimization. Fall, Spring, Summer. Credit, 4 semester hours.

222. Calculus II

Prerequisite: MAT 221.

A study of integrals, the definite integral, the fundamental theorem of the calculus, applications of the definite integral. The derivative and integral of exponential, logarithmic, trigonometric and inverse trigonometric functions; and techniques of integration. Fall, Spring, Summer. Credit, 4 semester hours.

316. Intermediate Calculus

Prerequisite: MAT 222.

Selected topics from Calculus I and II from an advanced viewpoint. L'Hospital's rule, improper integrals, Taylor's theorem, infinite series. Multivariable calculus: limits, continuity, partial derivatives, extrema, iterated integrals, and applications. Fall, Spring. Credit, 4 semester hours.

322. Differential Equations

Prerequisite: MAT 315.

An introduction to ordinary differential equations including classification of solutions to differential equations, existence and uniqueness of solutions, power series methods, initial value problems, and applications. Spring. Credit, 3 semester hours.

431. Advanced Calculus I

Prerequisites: MAT 316 and MAT 220.

An introduction to modern mathematical analysis with careful attention to topics of elementary and intermediate calculus of one or more variables. Topics include: convergence of sequences and series, mean value theorems, the Cauchy criterion, integrability. Fall. Credit, 3 semester hours.

432. Advanced Calculus II

Prerequisite: MAT 431.

A continuation of Advanced Calculus I including such topics as the total derivative of multivariable functions, transformations of \mathbb{R}^n , representations of functions by series and integrals, and uniform convergence. Spring. Credit, 3 semester hours.

44. Complex Analysis

Prerequisite: MAT 316.

The complex numbers, analytic functions, conformal mappings, contour integration, Cauchy's theorem and integral formula. Taylor and Laurent expansions, residues, analytic continuation. Liouville's theorem. As announced. Credit, 3 semester hours.

ALGEBRA AND NUMBER THEORY (MAT)

15. Linear Algebra I

Prerequisite: MAT 222.

An introduction to the theory of vector spaces, linear transformations, systems of linear equations, matrices, inverses, rank, determinants, inner products. Applications of matrices to problems involving systems of equations. Fall, Spring. Credit, 3 semester hours.

17. Linear Algebra II

Prerequisite: MAT 315.

Eigenvalues and eigenvectors, similarity of matrices, reduction of matrices to diagonal form. Cayley-Hamilton theorem, minimum polynomial, Jordan canonical form. Hermitian, unitary, and normal matrices, orthonormal basis, Gram-Schmidt process. Simplification of quadratic forms and other applications. As announced. Credit, 3 semester hours.

25. Algebra I

Prerequisite: MAT 315.

Introduction to groups, integral domains, rings and fields, with further study of subgroups, cyclic groups, groups of permutations, isomorphisms and homomorphisms of groups, direct products, and factor groups. Spring. Credit, 3 semester hours.

26. Algebra II

Prerequisite: MAT 325.

Further topics in group theory; rings, integral domains fields, ideals, quotient rings, homomorphisms, direct sums, polynomial rings, extension fields. Fall. Credit, 3 semester hours.

5. Theory of Numbers

Prerequisite: MAT 222.

An introduction to the properties of integers, prime and composite numbers, Fermat's Theorem, arithmetic functions, quadratic residues, diophantine equations, continued fractions and congruences. As announced. Credit, 3 semester hours.

APPLIED MATHEMATICS (MAT)

7. Numerical Analysis

Prerequisites: MAT 315, 316; CSC 200 or 250.

An introduction to the solution of mathematical problems by computational techniques, including both finite and iterative methods and error analysis. Spring. Credit, 3 semester hours.

328. Probability and Statistics I

Prerequisite: MAT 222.

Probability, sample spaces, counting techniques, random variables, discrete and continuous distribution functions, characteristic functions. Binomial, Poisson and normal distributions. Central limit theorems. Fall. Credit, 3 semester hours.

329. Applied Mathematics

Prerequisite: MAT 315.

Introduction to mathematical modeling. Techniques and properties of discrete and continuous models. Case studies. Fall. Credit, 3 semester hours.

330. Probability and Statistics II

Prerequisites: MAT 316, 328.

An introduction to common theoretical distributions central limit theorems, two dimensional random variables, sampling distributions, estimation, confidence intervals, hypothesis testing, regression theory and applications. Spring. Credit, 3 semester hours.

OTHER PURE MATHEMATICS (MAT)**220. Point Set Theory**

Prerequisite: MAT 107 or MAT 109 or equivalent.

Introduction to set theory, elementary concepts of the topology of the real line and the plane, elementary logic, and techniques of proof. Mathematics majors should take this course concurrently with Calculus I or Calculus II. Spring. Credit, 3 semester hours.

411. College Geometry

Prerequisite or corequisite: MAT 315.

A study of the development of Euclidean geometry from the metric and synthetic approach and an introduction to non-Euclidean geometry. Fall. Credit, 3 semester hours.

499. Independent Study

Offered for mathematics majors on approval of the Department Chairman. Credit, 1-3 semester hours.

MATHEMATICS EDUCATION (MAT)**400. Methods of Teaching Mathematics in Secondary School**

Purposes, methods, materials, and evaluation procedures in teaching mathematics. Directed observation in public school mathematics classes. Preparation of teaching plans and materials Accelerated. Spring. Credit, 3 semester hours.

COMPUTER SCIENCE (CSC)**100. Introduction to Computer Science**

Overview of the computer, local computing environment, and use of "canned" programs. History of data processing and computers. Introduction to computer systems. Introduction to computer programming using the BASIC language. Does not count for Basic Studies. Fall, Spring. Credit, 3 semester hours.

00. Introduction to Computer Programming—FORTRAN

Prerequisites: CSC 100, MAT 107 or permission of instructor.

A first course in programming. Introductory concepts of structured programming and algorithmic analysis with emphasis on scientific applications. Details of structured FORTRAN. Fall. Credit, 3 semester hours.

01. Introduction to Computer Programming—COBOL

Prerequisite: CSC 100 or permission of instructor.

A first course in programming. Introductory concepts of structured programming and algorithmic analysis with emphasis on data processing applications. Details of the COBOL language. Spring. Credit, 3 semester hours.

10. Introduction to Statistics (MAT 210)

Recommended prerequisite: MAT 107.

Elementary statistical analysis using a computer-based statistics package and data. Measures of central tendency and variability; properties of the binomial, normal and Poisson distributions; hypothesis testing and sampling; and regression analysis. A required one hour per week laboratory. Fall. Credit, 4 semester hours.

0. Computer Programming and Algorithms

Prerequisite: CSC 200 or 201.

A second programming course using advanced structured programming techniques with emphasis on readable and well-designed programs and algorithms. Comparative uses of some high level languages. Fall. Credit, 3 semester hours.

0. Introduction to File Processing.

Prerequisite: CSC 250.

Introduction to the hardware and software concepts necessary for file processing. Topics include input/output, sequential and random access, data structures, operating systems, and assembly language. Applications to data processing. Spring. Credit, 3 semester hours.

1. Software Design I

Prerequisite: Permission of instructor; corequisite: CSC 270.

A project and team oriented approach to computer programming. Techniques used in large programming projects. Application to a "real-life" project under supervision. Fall. Credit, 3 semester hours.

5. Introduction to Systems Analysis

Corequisite: CSC 270. Recommended: CSC 210.

Introduction to the theory of design for computer-based systems. Skills and techniques of systems analysis. Emphasis on data processing and business applications. Spring. Credit, 3 semester hours.

1. Software Design II

Prerequisites: CSC 350, 370 and permission of instructor.

Applications of systems design in a "real-life" project. Under supervision, students will conduct a term project with full responsibility for design, management and completion of a practical software package. A required written and oral report. Fall. Credit, 3 semester hours.

410. Software Project

Prerequisites: CSC 350 or 370, and permission of instructor.

Systems design and developmental responsibility by the student under independent status. An oral and written report required for completion. As announced. Credit, 1 to 3 semester hours.

420. Introduction to Computer Organization

Prerequisites: CSC 270, MAT 315.

Introduction to the logical and physical organization of computer systems. Topics include logical design, data representation and coding, machine and assembly language, and computer architecture. Spring. Credit, 3 semester hours.

450. Introduction to Data Structures

Prerequisites: CSC 270, MAT 315, 316

Introduction to various data structures used in computer science. Topics include trees, queues, lists and graphs. Design and analysis of algorithms pertaining to these structures with application to data base management. Spring. Credit, 3 semester hours.

499. Independent Study

Open to seniors in Computer Science with a quality point average of 3.0 in the major and with approval of the Director of the Computer Science Program. Required written and oral reports. As announced. Credit, 1-3 semester hours.

MUSIC

Chairman: ROBERT L. ROMINE

VILLIAM F. FRITZ
DORIS B. JOHNSON*
CHARLES MERCAVICH
LYNNE MICHELETTI

ELMA RANSOM
HAROLD C. SLAGLE
GEORGE R. WALTER

Professor Emeritus

The Department of Music is a full member of the National Association of Schools of Music. The requirements set forth in this catalog are in accordance with the published regulations of the National Association of Schools of Music.

The purposes of the Department of Music are threefold: to provide comprehensive training for teachers of vocal and instrumental music in the public schools; to provide experiences which the music student and the general university student will find rewarding in developing their cultural sensitivity; and to provide public programs and concerts to enrich the cultural life of the University and the community.

The department offers programs leading to the Bachelor of Science degrees in Music Education with certification and the Bachelor of Arts degree in Music. The Music Education program offers an emphasis in Vocal, Keyboard, or Instrumental Music.

Requirements for a Bachelor of Arts in Music

	Sem. Hrs.
Basic Studies Requirements (p. 59)*	50
Major Requirements:	
MUS 100 or 141, 101 or 142, 113, 114, 115, 159, 160, 193, 200 or 241, 201 or 242, 214, 215, 259, 260, 300 or 341, 301 or 342, 329, 332, 337, 338, 359, 360, 401 or 441, 404, 430, 432, 459, and 460.	65
Electives	5
Total	120

*Students who plan a major in music or music education should consult with the Department Chairman prior to registering for Basic Studies courses.

Requirements for a Bachelor of Science Degree in Music Education with Vocal Emphasis and with Certification by the State to Teach Music in the Public Schools

	Sem. Hrs
Basic Studies Requirements (p. 59)*	50
Major Requirements:	
MUS 100, 101, 113, 114, 115, 159, 160, 171, 172, 181 or 159, 182 or 160, 191, 193, 200, 201, 205, 214, 215, 259 or 260, 281 or 259, 282 or 260, 271, 300, 301, 329, 334, 337, 338, 359, 360, 401, 404, 405 and 459	56-57
Professional Education Requirements:	
EDN 202, 227, 308, 419, 437, 445, 448; and MUS 400	25
Electives	
Total	131-132

Requirements for a Bachelor of Science Degree in Music Education with Instrumental Emphasis and with Certification by the State to Teach Music in the Public Schools

	Sem. Hrs
Basic Studies Requirements (p. 59)*	50
Major Requirements:	
MUS 113, 114, 115, 141, 142, 159, 160, 171, 172, 181 or 159, 182 or 160, 191, 193, 205, 214, 215, 241, 242, 259, 260, 271, 281 or 259, 282 or 260, 329, 334, 337, 338, 341, 342, 359, 360, 404, 420, 430, 441 and 459	57-58
Professional Education Requirements:	
EDN 202, 227, 308, 419, 437, 445, 448; and MUS 400	25
Electives	0
Total	132-133

*Students who plan a major in music or music education should consult with the Department Chairman prior to registering for Basic Studies courses.

Requirements for a Bachelor of Science Degree in Music Education with Keyboard Emphasis and with Certification by the State to Teach Music in the Public Schools

	Sem. Hrs
Basic Studies Requirements (p. 59)*	50
Major Requirements:	
MUS 100, 101, 113, 114, 115, 159 (20 or 21), 160 (20 or 21), 171, 172, 191, 193, 200, 201, 205, 214, 215, 259 (20 or 21), 260 (20 or 21), 271, 329, 334, 335, 336, 337, 338, 359 (20 or 21), 360 (20 or 21), 404, 405, 425, 430, 435, 459 (20 or 21).	61-62
Professional Education Requirements:	
EDN 202, 227, 308, 419, 437, 445, 448; and MUS 400	25
Electives	0
Total	136-137

*Students who plan a major in music or music education should consult with the Department Chairman prior to registering for Basic Studies courses.

MINOR IN MUSIC

The Minor in Music is designed to provide opportunities for any student to develop an understanding and appreciation of music as part of a liberal arts education.

Students who plan a Minor in Music should consult with the Department Chairman in order to acquire a music advisor in addition to their major advisor.

Required Courses

		Sem. Hrs.
MUS 113	Fundamentals of Music Theory	3 hrs.
MUS 181-182	Class Piano I & II	2 hrs.
MUS 230	Introduction to Music Appreciation	3 hrs.
MUS 100-201	Concert Choir	
or	or	
MUS 141-241	University Band	3 hrs.

Electives

A minimum of seven hours to be chosen under the supervision of a Music Department advisor from courses with a music (MUS) prefix.]

MINOR IN SACRED MUSIC

Designed for those students who would find it beneficial, both financially and aesthetically, in their future careers. The student will develop skills that will enable him to work successfully in the area of sacred music.

The minor in sacred music requires a minimum of 18 semester hours:

Required Courses

		Sem. Hrs.
MUS 100-201	Concert Choir	4 hrs.
MUS 329	Conducting	3 hrs.
MUS 390	Church Music	3 hrs.

Electives

A minimum of 8 semester hours to be chosen under the supervision of a Music Department advisor from the following:]

MUS 159-260 (Sect. 01)	Private Voice
MUS 159-260 (Sect. 03)	Private Organ
MUS 159-160 (Sect. 02)	Private Piano
MUS 191	Class Voice
MUS 230	Introduction to Music Appreciation
MUS 337-338	History of Music I & II
MUS 490	Service Playing

MINOR IN JAZZ STUDIES

A program of study designed to equip music majors to perform and teach music in the jazz idiom.

Required Courses

		Sem. Hrs.
MUS 235	A Study in Jazz	3 hrs.
MUS 236-237	Improvisation I & II	4 hrs.
MUS 346	Jazz Composition	2 hrs.
MUS 406	Jazz Pedagogy	3 hrs.
MUS 162-363	University Jazz Ensemble	
	or	
MUS 156-357	University Jazz Choir	<u>6 hrs.</u>
	Total	18 hrs.

COURSES (MUS)**THEORY AND GENERAL MUSIC****113. Fundamentals of Music Theory**

A comprehensive study of notation, key structure, chord construction, ear training, terminology, and aesthetic principles. Fall. Credit, 3 semester hours. (Students who are excused from MUS 113 by advanced placement must select electives from the theory-composition area upon completion of prerequisites.)

114. Theory I

Prerequisite: MUS 113 or equivalent as determined by instructor.

A study of the basic elements of harmonic analysis emphasizing chord structure, functions, and relationships. Melodic and part-writing skills will be developed. Course includes a related survey of music history and form. Spring. Credit, 3 semester hours.

115. Theory II

Prerequisite: MUS 114.

A continuation of MUS 114. Fall. Credit, 3 semester hours.

128. Blue Grass Music

A study of developing American folk music indigenous to the South together with the development of folk instruments, styles and forms. Fall 1982 and Alternate Fall. Credit, 3 semester hours.

193. Introduction to Ear Training

Prerequisite: MUS 113.

A beginning course in ear training techniques dealing with dictation from tapes and the use of other electronic media to improve listening skills. Spring. Credit, 1 semester hour.

214. Theory III

Prerequisite: MUS 115.

A study of advanced music theory using harmonic techniques of the late nineteenth and early twentieth centuries. Compositional skills will be developed. Course includes a related survey of music history and form. Spring. Credit, 3 semester hours.

215. **Theory IV**
Prerequisite: MUS 214.
A continuation of MUS 214 emphasizing later twentieth century techniques. Fall. Credit, 3 semester hours.
222. **Afro-American Music**
A survey of the development of Black Music in America from its African heritage to the present. Spring 1984 and Alternate Spring. Credit, 3 semester hours.
230. **Introduction to Music Appreciation**
Restriction: Not open to music majors.
The development of knowledge and understanding of music. Emphasis given to the forms of music found in different periods and the relationship of music to general cultural development. Fall, Spring. Credit, 3 semester hours.
235. **A Study in Jazz**
Open to music and non-music majors. An introduction to jazz through a study of its origins, development, styles, and major innovative figures. Fall. Credit, 3 semester hours.
236. **Improvisation I**
Prerequisite: MUS 115 or permission of instructor.
A course in the development of improvisational skills through the study and application of theoretical and stylistic principles common to the jazz idiom. Spring. Credit, 2 semester hours.
237. **Improvisation II**
Prerequisite: MUS 236.
A continuation of MUS 236. Spring. Credit, 2 semester hours.
240. **Piano Literature**
A survey of keyboard music from the Baroque period and continuing through the twentieth century. Fall 1983 and Alternate Fall. Credit, 2 semester hours.
249. **Conducting**
A laboratory course which includes the study of choral and instrumental conducting techniques, choral and instrumental scores; with supervised conducting experience. Fall. Credit, 3 semester hours.
252. **Form and Analysis**
Prerequisite: MUS 215.
A study of various forms including large and small choral and instrumental works. Spring. Credit, 2 semester hours.
254. **Orchestration and Arranging**
Prerequisite: MUS 215.
A practical study of the fundamentals of scoring for individual instruments and ensembles. Spring. Credit, 2 semester hours.
257. **History of Music I**
A study of the development of music in Western Civilization beginning with the music of Ancient Greece and continuing through the Baroque era. Fall. Credit, 3 semester hours.

338. History of Music II

A study of the development of music in Western Civilization beginning with the music of the Classical period and continuing through the twentieth century. Spring. Credit, 3 semester hours.

346. Jazz Composition

Prerequisite: MUS 115 or equivalent as determined by instructor.

A study of basic compositional techniques as applied to the jazz idiom. Original compositions will be written and orchestrated for various-sized jazz ensembles. Spring 1984 and Alternate Spring. Credit, 2 semester hours.

390. Church Music

Materials and methods in the direction of church choirs which include a study of the role of the music director in the church. Spring. Credit, 3 semester hours.

404. Senior Recital

Offered to senior music majors participating in a half or full public recital. Credit is given by permission of the instructor and Department Chairman. Fall, Spring. Credit, 0-2 semester hours.

406. Jazz Pedagogy

Prerequisite: MUS 235.

A study of the administration, methods, and directing techniques pertinent to the teaching of Jazz and Commercial Music. Spring 1983 and Alternate Spring. Credit, 3 semester hours.

425. Piano Pedagogy

A course designed primarily for the keyboard specialist who is planning to teach piano. The course includes methods of teaching, appropriate materials, and advanced techniques for all grade levels. Spring. Credit, 2 semester hours.

426. Practicum in Piano Teaching

Prerequisite: MUS 425 or permission of the instructor.

Beginning piano lessons offered to area public school students at a nominal fee, and taught by upper level college students. The course provides teaching experiences under the supervision of college instructors. Fall, Spring. Credit, 1-4 semester hours.

430. Music Literature

Prerequisite: MUS 337, 338.

A study of music literature for large and small performing groups of all periods from a stylistic and development viewpoint. Fall. Credit, 3 semester hours.

432. Counterpoint

Prerequisite: MUS 215.

A study primarily of eighteenth-century contrapuntal techniques with written work in two and three part writing. Fall. Credit, 2 semester hours.

445. Music Composition I

Prerequisite: MUS 215 or permission of instructor.

A course designed to implement the student's study of theory. Original compositions will be written for instrumental and choral ensembles in the important musical forms utilizing homophonic and polyphonic techniques. Fall. Credit, 2 semester hours.

490. Service Playing

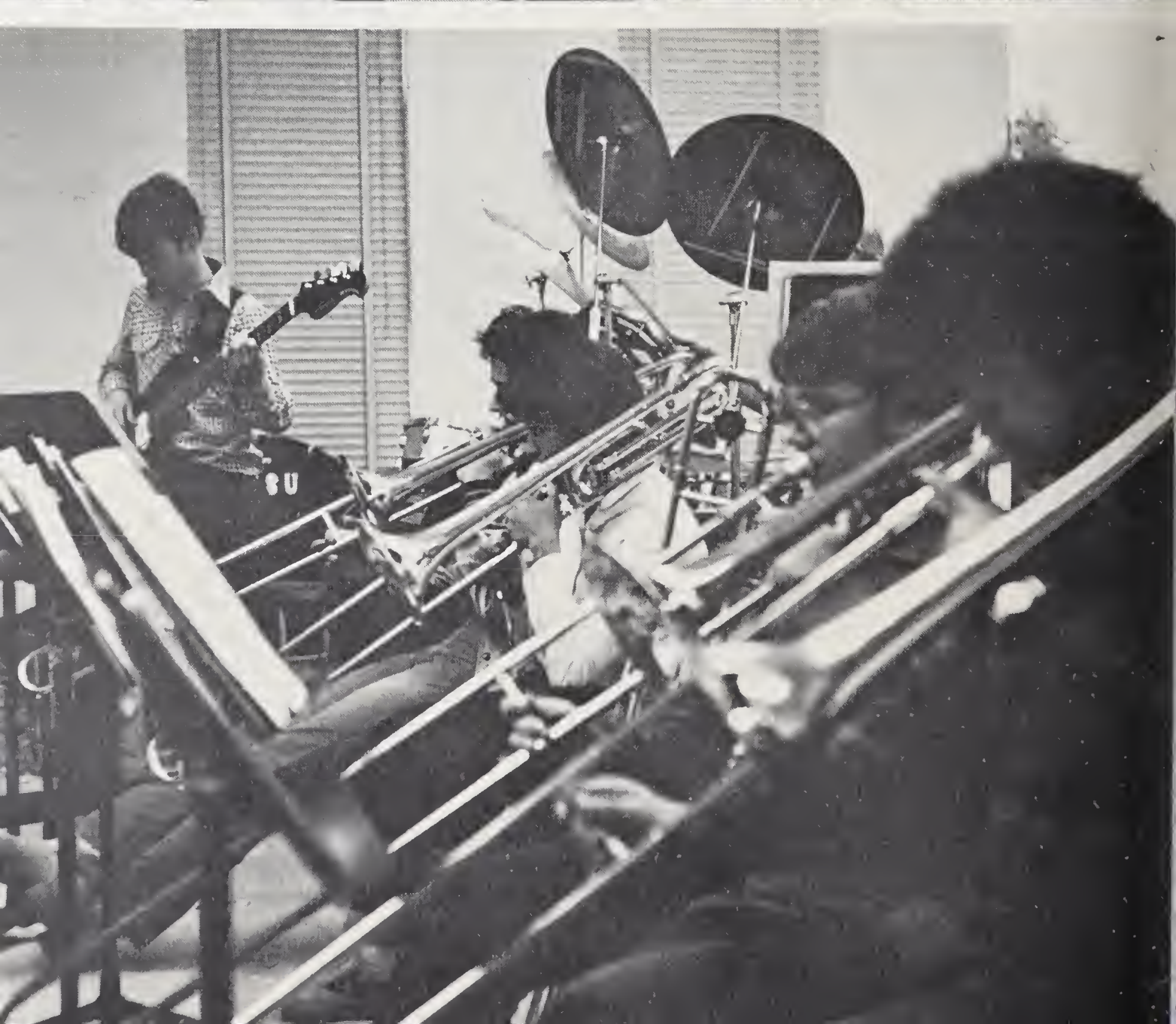
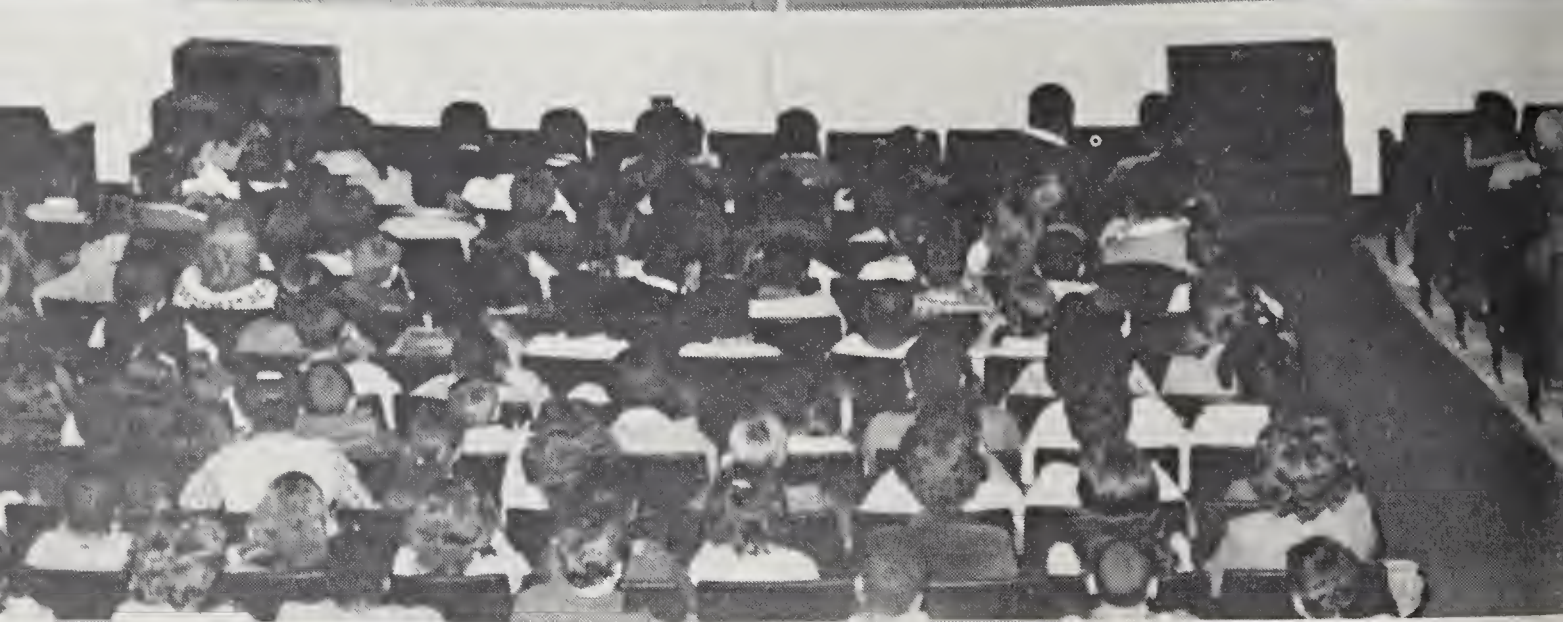
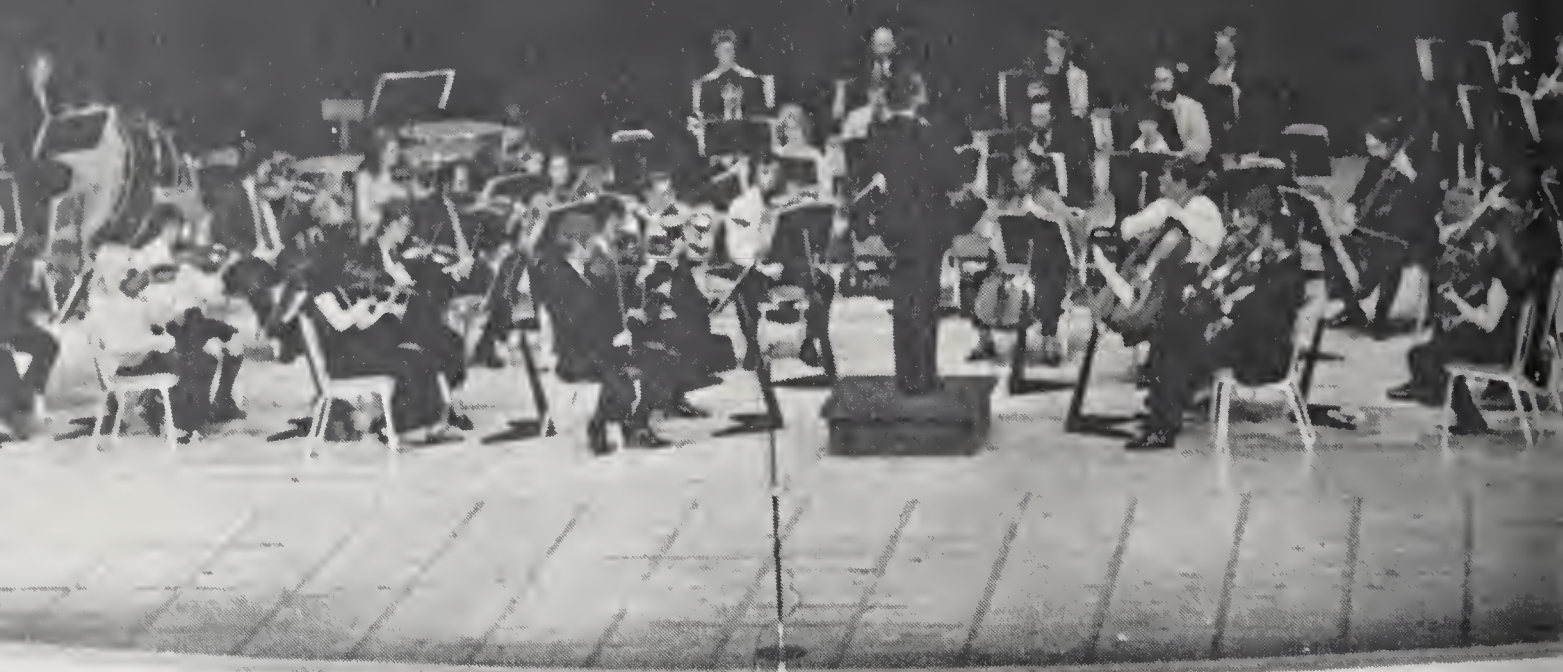
Prerequisite: MUS 259 or the equivalent.

A study of the musical liturgy of the Catholic, Jewish, and Protestant services. Students should be free for Sunday morning church visitations. Spring. Credit 1 semester hour.

499. Independent Study in Music

Prerequisites: Music major, senior standing, and approval of Department Chairman.

Directed study and research in the student's major field of interest. Fall, Spring. Credit, 1-3 semester hours.



APPLIED MUSIC

Private study is offered in piano, organ, voice and instruments of the band and orchestra. In each of these fields the work will be adapted to the needs of the individual student. Courses in applied music are required of all music majors, and may be elected with permission of the instructor by students not majoring in music.

1. Applied music lessons require a minimum of five practice hours weekly.
2. Freshman, sophomore and junior music majors must participate in student music recitals. Senior music majors must be in preparation for their senior recital. Jury examinations may be waived by successful performing in recital for that semester.

59, 160; 259, 260; 359, 360; 459, 460. Applied Music (Courses must follow in sequence).

Private lessons are designed to build technical proficiency, repertoire, and awareness of vocal and instrumental problems. Fall, Spring. One half-hour lesson and one fifty-minute seminar bi-weekly. Credit, 1 semester hour. Two half-hour lessons and one fifty-minute seminar bi-weekly. Credit, 2 semester hours.

1 hour each semester

1. Private Voice
2. Private Piano
3. Private Organ
4. Private Flute
5. Private Oboe
6. Private Clarinet
7. Private Bassoon
8. Private Saxophone
9. Private Trumpet
10. Private French Horn
11. Private Trombone
12. Private Baritone Horn
13. Private Tuba
14. Private Percussion
15. Private Violin
16. Private Viola
17. Private Violoncello
18. Private Bass Viol

2 hours each semester

19. Private Voice
20. Private Piano
21. Private Organ
22. Private Flute
23. Private Oboe
24. Private Clarinet
25. Private Bassoon
26. Private Saxophone
27. Private Trumpet
28. Private French Horn
29. Private Trombone
30. Private Baritone Horn
31. Private Tuba
32. Private Percussion
33. Private Violin
34. Private Viola
35. Private Violoncello
36. Private Bass Viol

Non-keyboard music education majors will fulfill their course requirements in piano by enrolling in MUS 181, 182, 281, and 282 (Class Piano I-IV).

Inasmuch as a proficiency examination is not given to students prior to enrollment at Pembroke State University, each student is evaluated at the conclusion of the sophomore year in conjunction with the completion of MUS 260 (Applied Music). This evaluation shall be based on the student's performing ability and overall progress in both music and academic courses.

A proficiency examination is also required by the Piano Division at the conclusion of the student's fourth semester of piano instruction. This examination consists of the following:

1. A prepared piano composition of sufficient difficulty,
2. All major and harmonic minor scales, two octaves, hands together,
3. Chord progressions involving primary and secondary triads, dominant-seventh chords, and secondary dominant-seventh chords.
4. Harmonization of melodies with chords cited in point 3 above, and
5. Transposition of simple melodies.

Students must pass these proficiency tests before proceeding to junior-level applied music courses.

All music majors are required to attend all recitals, concerts, and Lyceum Series Programs which pertain to music.

Graduating seniors must present an individual or joint recital as a partial requirement for graduation. Approval of recital must be given by the music faculty at least three weeks prior to presentation. Students who complete their applied music studies should continue to take lessons for no credit until they have completed their senior recital requirements.

COURSES (MUS)

133. **Class Piano I for the Non-Music Major**

Beginning piano instruction for the non-music major. Emphasis on music reading, basic chords, and piano technique. Fall. Credit, 1 semester hour.

134. **Class Piano II for the Non-Music Major**

Prerequisite: MUS 133.

A continuation of beginning piano instruction for the non-music major. Emphasis on music reading, basic chords, and piano technique. This course will be a prerequisite for non-music major enrollment in MUS 159 (Section 02 or 20)—Private Piano subject to approval by the instructor. Spring. Credit, 1 semester hour.

171. **Class Woodwind**

A concentrated study in fundamentals and playing techniques for Flute, Oboe, Clarinet, Saxophone, and Bassoon. Spring. Credit, 1 semester hour.

172. **Class Brass**

A concentrated study in fundamentals and playing techniques for Trumpet, Cornet, French Horn, Trombone, Baritone Horn, and Tuba. Fall. Credit, 1 semester hour.

- 181. Class Piano I**
A concentrated groupd study of keyboard harmony and playing techniques, designed for the music major. Fall. Credit, 1 semester hour.
- 182. Class Piano II**
Prerequisite: MUS 181.
A continuation of MUS 181 (Class Piano I). Spring. Credit, 1 semester hour.
- 191. Class Voice**
A concentrated group study of singing techniques and vocal development including sightsinging. Fall. Credit, 1 semester hour.
- 205. Class Strings**
A concentrated study of fundamentals and playing techniques of the orchestral stringed instruments. Fall. Credit, 1 semester hour.
- 271. Class Percussion**
A concentrated study in fundamentals and playing techniques of percussion instruments. Fall. Credit, 1 semester hour.
- 281. Class Piano III**
Prerequisite: MUS 182.
A continuation of the non-keyboard major's pianistic development with emphasis on the practical aspects of reading, harmonization, and transposition. Fall. Credit, 1 semester hour.
- 282. Class Piano IV**
Prerequisite: MUS 281.
A continuation of MUS 281 (Class Piano III). Spring. Credit, 1 semester hour.

Performing Organizations

- 100, 101; 200, 201; 300, 301; 401, 402. Concert Choir**
The Concert Choir is open to all men and women regardless of planned major with permission of the director. The Choir appears in public concerts throughout the year. Fall, Spring. Credit, 1 semester hour each.
- 107, 108; 207, 208; 307, 308; 407, 408. University Pep Band**
The University Pep Band is open to all persons regardless of planned major with permission of the director. Public performances will be made at athletic events and whenever support of scheduled University activities is needed. Fall, Spring. Credit, 1 semester hour each.
- 110, 111; 210, 211; 310, 311; 410, 411. Music for Male Voices**
Music for Male Voices is open to all persons regardless of planned major with permission of the director. Public appearances are made throughout the year. Fall, Spring. Credit, 1 semester hour each.
- 141, 142; 241, 242; 341, 342; 441, 442. University Band**
The University Band is open to all men and women regardless of planned major with permission of the director. Public appearances are made in both parades and concerts. Fall, Spring. Credit, 1 semester hour each.

156, 157; 256, 257; 356, 357; 456, 457. University Jazz Choir

Membership in the University Jazz Choir is open to all students by audition. A study of vocal music trends through the rehearsals and performance of pop, rock, progressive jazz, and other modern forms of music. Fall, Spring. Credit, 1 semester hour each.

162, 163; 262, 263; 362, 363; 462, 463. University Jazz Ensemble

Membership in the University Jazz Ensemble is open to all students by audition. A study of technical, stylistic and aesthetic elements of jazz literature through rehearsals and public performance. Fall, Spring. Credit, 1 semester hour each.

335, 336; 435. Accompanying

Prerequisites: MUS 159-160 (02 or 20; 03 or 21) Private Piano/Organ and instructor's approval.

A course designed to acquaint the keyboard major with the art and techniques of accompanying vocal and instrumental solo and ensemble literature. Fall, Spring. Credit, 1 semester hour each.

MUSIC EDUCATION**209. Basic Music for the Elementary Teacher**

Restriction: Not open to music majors.

A course for elementary education majors in the fundamentals of music. Fall, Spring. Credit, 3 semester hours.

224. Musical Experiences for Young Children

Restriction: Not open to music majors.

Prerequisite: MUS 209 or by advanced placement.

A course designed to present methods and media of teaching classroom music, K-3. Fall, Spring. Credit, 3 semester hours.

299. Music in the Classroom, Grades 4-9

Restriction: Not open to music majors.

A course designed to present various methods and media of teaching classroom music, grades 4-9. It is assumed that students enrolling in this course have a knowledge of the fundamentals of music. Fall, Spring. Credit, 3 semester hours.

400. Music Education in the Secondary School

A study of organization and procedures in general music classes and vocal performing groups in senior high school. Fall, Spring. Credit, 3 semester hours.

405. Music Education Grades K-9

A study of organization and procedures used in general music classes for the elementary and junior high schools. Fall. Credit, 3 semester hours.

420. Public School Instrumental Music

A study of materials and methods used in building instrumental programs beginning in the elementary school and continuing through high school. Fall. Credit, 3 semester hours.

PHILOSOPHY AND RELIGION

Chairman: ROBERT K. GUSTAFSON

G. LEA HARPER, JR.
I. RUTH MARTIN

MAURICE STANLEY
P. ALBERT STUDDARD

Philosophy and religion have long been considered integral parts of the Liberal Arts Program. The courses presented here are planned to give the inquiring student an introduction to these broadening disciplines, the means whereby the significance of various disciplines can be interpreted, and a way of viewing, understanding and resolving some of the conflicts and issues in modern culture. These courses prepare the student to take an active part in his community activities or in planning for graduate study.

A combined major in philosophy and religion of thirty-six hours is offered. There are two alternate concentrations. A minor of eighteen hours is also offered.

Students interested in majoring in philosophy and religion should discuss their interests with a faculty member in the Department. In order to help fulfill the aims of the individual student, courses are to be selected in conference with the student's departmental advisor.

Requirements for a Bachelor of Arts Degree in Philosophy and Religion

	Sem. Hrs.
Basic Studies Requirements (p. 59)*	50
A major in philosophy and religion requires 36 credit hours taken in the department, of which 18 hours must be taken from the philosophy and religion core.	
A. The Student is offered a choice of a concentration in either:	
1. Philosophy or	
2. Religion	
Hours in the areas of concentration can range from 24-30 in the area of the primary emphasis, and from 6-12 hours in the secondary emphasis. The number of credit hours must total 36.	
Consultation with your advisor will help determine the proper ratio.	36

Examples:

Philosophy Emphasis

Philosophy	24	27	30
Religion	<u>12</u>	<u>9</u>	<u>6</u>
	36	36	36

Religion Emphasis

Religion	24	27	30
Philosophy	<u>12</u>	<u>9</u>	<u>6</u>
	36	36	36

B. Philosophy and Religion core

Religion Emphasis

Required Philosophy

General

1. Philosophy 100	3 hours
2. Philosophy*	<u>3 hours</u>

Total 6 hours

Required Religion

General

1. Religion 130	3 hours
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Biblical

2. Religion 113 or 114 or 105 or 106	3 hours
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Comparative

3. Religion 216, or 218 or 315	3 hours
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Religious Thought

4. Religion 209 or 319	<u>3 hours</u>
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Total 12 hours

Total hours: 18

Philosophy Emphasis

Required Religion

General

1. Religion 130	3 hours
2. Religion*	<u>3 hours</u>

Total 6 hours

Required Philosophy

General

1. Philosophy 100	3 hours
2. Philosophy 101	3 hours

Philosophy & Culture

3. Philosophy 204 or 205	3 hours
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History of Philosophy

4. Philosophy 308 or 309 or 400	<u>3 hours</u>
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Total 12 hours

Total hours: 18

Electives

Total 34
120

*With advisor select a 100 or 200 level course.

CERTIFICATION IN BIBLE

Teacher certification in Bible is obtainable. See the Chairman of the Department.

MINORS IN PHILOSOPHY AND RELIGION

18 Semester Hours

The Department of Philosophy and Religion offers minors for students in other majors. Students majoring in Philosophy and Religion may also pursue a minor in the department under certain circumstances. There are a number of courses in the department which may be used in developing a minor. Students are encouraged to consult with a member of the department in planning a minor. Some of the possibilities would be in Biblical Studies, Non-Western Religions, Ethics, Church History and Religious Thought, and Philosophy.

Minor Areas and Required Courses in the Minor

The minor requires 18 semester hours. There are a large number of elective hours possible in each minor. Minors must be approved by the Department.

- | | |
|----------------------------|---|
| 1. Philosophy Minor | Philosophy 100, Introduction to Philosophy, required, plus 15 elective hours. |
| 2. Religion Minor | Religion 130, Introduction to Religion, required, plus 15 elective hours. |
| 3. Philosophy and Religion | Philosophy 100 and Religion 130 required, plus 12 elective hours. |

COURSES

PHILOSOPHY (PHI)

GENERAL

- 00. Introduction to Philosophy**
A survey of the major issues and philosophers in the history of western philosophy. Fall, Spring. Credit, 3 semester hours.
- 26. Perspectives on Man (REL 326)**
Prerequisite: PHI 100 or REL 130.
A study of the dominant understandings of man. Philosophical, religious, scientific, and literary sources are read and discussed. Fall, Spring. Credit, 3 semester hours.

HISTORY

- 11. American Philosophy**
Prerequisite: PHI 100 or consent of instructor.
A study of the major figures in American philosophy, including Peirce, Royce, James, and Dewey. Alternate Spring. Credit, 3 semester hours.

308. The Great Philosophers: Ancient and Medieval

Prerequisite: PHI 100 or consent of instructor.

Studies in Plato, Aristotle, Augustine, and Aquinas. Alternate Fall. Credit, 3 semester hours.

309. The Great Philosophers: Modern and Contemporary

Prerequisite: PHI 100 or consent of instructor.

Studies in Descartes, Locke, Kant, Hegel, Nietzsche, and Wittgenstein. Alternate Spring. Credit, 3 semester hours.

400. Contemporary Analytic Philosophy

Prerequisite: PHI 100 or consent of instructor.

A study of logical positivism, ordinary language philosophy, conceptual and categorial analysis. Alternate Fall. Credit, 3 semester hours.

LOGIC**101. Introduction to Logic**

The methods and principles of correct thinking. Emphasis on informal logic, the syllogism, and the fallacies. Informal debates on contemporary issues. Fall, Spring. Credit, 3 semester hours.

201. Methods of Formal Logic

Prerequisite: PHI 101 or consent of instructor.

A study of modern symbolic logic. Emphasis on deductive proofs, quantification theory. Analysis of contemporary issues. Alternate Spring. Credit, 3 semester hours.

PHILOSOPHY AND CULTURE**202. Philosophy of Religion (REL 202)**

An inquiry into the philosophical foundations of religion, the problems connected with belief and knowledge, faith and reason, the character and meanings of religious commitment. Alternate Spring. Credit, 3 semester hours.

204. Introduction to Ethics

A study of the criteria by which moral decisions are made and their application to selected contemporary ethical issues. Spring. Credit, 3 semester hours.

205. Social and Political Philosophy

Studies of opposing philosophical views about man and the foundations of political and social life. Alternate Fall. Credit, 3 semester hours.

206. Value Clarification

An examination of the processes of value clarification (how people come to hold certain values and to establish certain types of behavior patterns) and an analysis of several value assumptions prevalent in contemporary society. Students will have opportunities to engage in practical experiences designed to develop strategies in value clarification. Alternate Fall. Credit, 3 semester hours.

321. Philosophy of Science

Prerequisite: PHI 100 or consent of instructor.

A study of the problems and human implications of the mathematical, physical, biological, and social sciences leading to philosophical synthesis of the relation of the sciences to man's life. Alternate Spring. Credit, 3 semester hours.

322. Religion and Science (REL 322)

Prerequisite: PHI 100 or consent of instructor.

an examination of issues between science and religion and a consideration of a tradition in natural theology used to validate religious claims. Alternate Fall. Credit, 3 semester hours.

323. Philosophy of Art and Beauty

A study of aesthetic values in nature, art, literature, music, and drama. Alternate Spring. Credit, 3 semester hours.

376. Medical Ethics (SOC 376)

An examination of the major ethical issues raised by recent medical developments, such as : abortion, psychosurgery, organ transplants, euthanasia, human experimentation and the right to health care. Alternate Fall. Credit, 3 semester hours.

377. Philosophy of Law

Prerequisite: PHI 100 or consent of instructor.

An examination of major ethical and philosophical issues concerning law and justice arising out of contemporary legal process, seeking an answer to the question of the rights of the individual vis-a-vis the state. Alternate Spring. Credit, 3 semester hours.

METAPHYSICS AND EPISTEMOLOGY**11. Theories of Knowledge and Reality**

Prerequisite: PHI 100, or consent of instructor.

A study of the major attempts to answer the fundamental questions about the self, the nature of reality, God, perception, and belief. Alternate Fall. Credit, 3 semester hours.

SPECIAL STUDIES IN PHILOSOPHY**39. Philosophy and Society Practicum**

Prerequisite: Consent of Instructor.

An opportunity to observe the work of community agencies and institutions in order to discover, examine and analyze their basic philosophical assumptions. Courts of law, hospitals and prisons would be examples of such institutions. Fall, Spring. Credit, 1-3 semester hours.

40. Seminar in Philosophy

Prerequisite: Junior or consent of instructor.

An examination of selected philosophers, movements, problems, or major ideas to be presented each term the course is presented. The objectives of the course may be met by directed research. The course may be repeated for credit up to and including 9 semester hours as long as there is no duplication of subject matter. Fall, Spring. Credit, 1-3 semester hours.

499. Independent Study in Philosophy

A student who wishes to enroll in 499, Independent Study, must: 1. be classified as a senior, 2. have a cumulative grade point average of 3.0 or better in his major area of study, 3. request independent study in his major area, and 4. submit a Request for Approval of Independent Study in triplicate to the Office for Academic Affairs. The form can be obtained from the department head responsible for the student's major area of study. It must be approved by: 1. the professor supervising the student in independent study, 2. the Department Head, 3. the Dean of Admissions and Registration, and 4. the Office for Academic Affairs. The student may elect to work for one, two or three semester hours of credit. Upon completion of the independent study, the student must prepare a typewritten report of the study in triplicate. If the supervising professor feels it is appropriate, the report will be catalogued and permanently housed in the Library. Fall, Spring, Summer. Credit, 1-3 semester hours.

RELIGION (REL)**GENERAL****130. Introduction to Religion**

This course seeks to define what religion is and to outline different approaches to the study of religion. The following questions are discussed: What are the roots of religious faith? What might a mature religious faith look like? Readings relating religion to the new generation are part of this study. Fall, Spring. Credit, 3 semester hours.

326. Perspectives on Man (PHI 326)

Prerequisite: PHI 100 or REL 130.

A study of the dominant understandings of man. Philosophical, religious, scientific, and literary sources are read and discussed. Fall or Spring. Credit, 3 semester hours.

BIBLICAL**105. Study of the Old Testament**

A study of the Covenants in Israel, of the rise and fall of the Hebrew nations under the judges and kings, of the religious development of the people as written in the literature of these periods. Fall. Credit, 3 semester hours.

106. Survey of the New Testament

A study of the origins and development of Christianity from Jesus Christ through the first century with emphasis on the writings of that age in correlation with the history of the Roman Empire. Spring. Credit, 3 semester hours.

113. Life of Christ

A study of the life and teachings of Christ as they are presented in the four gospels with emphasis upon world conditions in His day and the significance of His death and resurrection. Fall. Credit, 3 semester hours.

114. Life and Letters of Paul

A study of the life and world of Paul with special consideration of his preparation and mission, his style and subject matter. Spring. Credit, 3 semester hours.

- 201. Backgrounds of the Bible**
An introductory study of the development of the Bible. Attention given to the manuscripts and translations of the Bible, the geographic factors which influenced Biblical times, and the language arts of the Biblical periods. Alternate Fall. Credit, 3 semester hours.
- 227. Biblical Archaeology**
A study of Old and New Testament world as based on the findings of archaeology. Emphasis upon modes of daily living and on location of ancient cities and urban areas. Alternate Spring. Credit, 3 semester hours.
- 313. Literature of Man's Origins**
A study of man's early religious literature found in the Bible and other sources. Alternate Spring. Credit, 3 semester hours.
- 317. Biblical Poetry**
A study of poetic literature found in the Old Testament, the Apocrypha, and the New Testament. Alternate Fall. Credit, 3 semester hours.
- 318. Apocalyptic Literature**
A study of apocalyptic literature of the Old and New Testaments with emphasis on the historical, religious and psychological backgrounds. Alternate Spring. Credit, 3 semester hours.
- 337. Prophetic Literature of the Bible**
Prerequisite: REL 130 or 211 or consent of instructor.
A review of the call, purpose and work of the prophet. A study of the writings of Amos, Hosea, Jeremiah, Isaiah, etc. Alternate Fall. Credit, 3 semester hours.
- 400. Ancient Near East Texts**
Prerequisite: REL 211 or 212 or consent of instructor.
A study of the ancient manuscripts from Egypt, Babylon, Greece, and Rome. A survey of such materials as legal codes, calendars, rituals, hymns, wisdom literature, and letters from contemporary Biblical materials. Alternate Spring. Credit, 3 semester hours.

RELIGIOUS THOUGHT AND CULTURAL EXPRESSION

- 202. Philosophy of Religion (PHI 202)**
An inquiry into the philosophical foundations of religion, the problems connected with the belief and knowledge, faith and reason, the character and meanings of religious commitment. Alternate Spring. Credit, 3 semester hours.
- 209. Religion in America**
A study of distinctive themes and characteristics of religion in America. Topics such as Civil Religion, Religious Liberty and the Free Church, Revivalism, American Religious Movements, Missions, Black Religion, Indian traditions, and American religion in ferment will be considered. Fall. Credit, 3 semester hours.
- 14. Introduction to Religious Ethics**
This course investigates how questions about morality can be approached within the Judeo-Christian tradition. The Old and New Testament teachings about ethics are examined along with the perspectives of Christian ethicists. Several ways of developing a basic framework for ethical decision-making are considered. Alternate Fall. Credit, 3 semester hours.

305. The Religious Dimensions of Modern Literature

Prerequisite: REL 130.

A study of the spiritual, moral, and psychological dimensions of selections from modern American and European literature. Works to be considered will be chosen from such writers as the following: Albert Camus, Herman Hesse, Kurt Vonnegut, Ken Kesey, C. S. Lewis, and Graham Greene. Fall. Credit, 3 semester hours.

310. Sects, Cults, and Religious Movements in America (SOC 310)

A study of the origins, growth, beliefs and practices of sects, cults, and religious movements in America. Fall. Credit, 3 semester hours.

319. Modern Religious Thought

Prerequisite: REL 130 or consent of instructor.

A study of selected trends and figures in modern religious thought. Alternate Fall or Spring. Credit, 3 semester hours.

322. Religion and Science (PHI 322)

Prerequisite: PHI 100 or consent of instructor.

An examination of issues between science and religion and a consideration of a tradition in natural theology used to validate religious claims. Alternate Fall. Credit, 3 semester hours.



- 324. Religious Ethics and Social Living**
Prerequisite: REL 214 or consent of instructor.
An in-depth examination of ethical issues involved in contemporary social life (in business, education, law, medicine, military service) and of possible religious responses. The role of faith in decision-making about social issues will be analyzed. Films and guest speakers will provide material for discussion. Alternate Spring. Credit, 3 semester hours.
- 338. History of Christianity (HST 338)**
A survey of the history of Christianity after Paul to the 20th century. Alternate Fall or Spring. Credit, 3 semester hours.
- 405. Modern Interpretations of Jesus**
Prerequisite: REL 113 or 211 or consent of instructor.
A variety of recent, fresh interpretations are examined, including such different viewpoints as Hugh Schonfield's *The Passover Plot*, William Barclay's *The Life of Jesus for Everyman*, and Albert Cleage's *The Black Messiah*. Significant film portraits of Jesus (*The Parable*, *Jesus Christ Superstar*, and *Godspell*, for example) will also be viewed and analyzed. Alternate Spring. Credit, 3 semester hours.
- 417. Sociology of Religion (SOC 417)**
Prerequisite: Consent of instructor.
Religious institutions and relationships in modern society. Alternate Fall. Credit, 3 semester hours.

COMPARATIVE RELIGIONS

- 213. American Indian Traditions (AIS 213)**
A study of the development of the religious beliefs and practices of American Indians. Alternate Spring. Credit, 3 semester hours.
- 216. Religions of the Far East**
A study of the historical development and teachings of Hinduism, Buddhism, Confucianism and Shintoism. Offered in alternate years in sequence with REL 218 and 315. Credit, 3 semester hours.
- 218. Religions of the Near East**
A study of the historical development and teachings of the religions of the Near East with emphasis on Islam, Zoroastrianism, and Baha'ism. Offered in alternate years in sequence with REL 216 and 315. Credit, 3 semester hours.
- 315. Judaism**
An examination of the history, literature and faith of Post-Exilic Judaism. Offered in alternate years in sequence with REL 216 and 218. Credit, 3 semester hours.

SPECIAL STUDIES IN RELIGION

- 309. Experiential Learning I**
Applied Religion-Philosophy and Society Practicum. An opportunity to observe and to participate in the work of community agencies relevant to the major. An example of an agency would be the Robeson County Church and Community Center. Fall, Spring. Credit, 1-3 semester hours.

409. Experiential Learning II

Applied Religion-Philosophy and Society Practicum.

Prerequisite: REL 309.

The description of REL 409 is essentially the same as for REL 309. The nature of the practicum usually will be different from that of REL 309. (Majors may use not more than three semester hours of credit earned in Experiential Learning I and II in meeting the major requirement.) Fall, Spring. Credit, 1-3 semester hours.

420. Special Studies in Religion

Prerequisite: Major or consent of instructor.

A study of selected religious problems, themes, issues or topics to be selected each term the course is presented. The objectives of the course can be satisfied by means of Directed Research. Possible topics are: Religion and Human Life, Myth, Symbol and Metaphor, Religion and Art, Hermeneutics, Contemporary Issues in Religion, Religious Dimensions in Education, and Counseling. Fall, Spring. Credit, 3 semester hours. This course may be repeated for credit up to and including 9 hours as long as there is not duplication of subject matter.

499. Independent Study

A student who wishes to enroll in REL 499, Independent Study, must: 1. be classified as a senior, 2. have a cumulative grade point average of 3.0 or better in his major area of study, 3. request independent study in his major area, and 4. submit a Request for Approval of Independent Study in triplicate to the Office for Academic Affairs. The form can be obtained from the Department Chairman responsible for the student's major area of study. It must be approved by: 1. the professor supervising the student in independent study, 2. the Department Chairman, 3. the Dean of Admissions and Registration, and 4. The Office for Academic Affairs. The student may elect to work for one, two, or three semester hours of credit. Upon completion of the independent study, the student must prepare a typewritten report of the study in triplicate. If the supervising professor feels it is appropriate, the report will be catalogued and permanently housed in the Library. Fall, Spring. Credit, 1-3 semester hours.

PHYSICAL SCIENCE

Chairman: JOHN S. WALLINGFORD

JOSE J. D'ARRUDA
ANDREW RANSOM
JOHN E. REISSNER

HAROLD J. TEAGUE
PETER A. WISH

The physical sciences embody an impressive amount of knowledge. Much more impressive, however, is the fact that all of this knowledge is (believed to be) reducible to a very few underlying principles. Study leading to understanding of these principles can be tremendously rewarding because opportunities to relate them to everyday observations (demonstrate their relevance) are abundant.

Additionally, by learning of the agony and the ecstasy encountered during discovery of the principles, some of the techniques of establishing and testing laws and theories are introduced.

Offerings of the department currently include a major program in Chemistry.

Requirements for a Bachelor of Science Degree in Chemisry

	Sem. Hrs.
Basic Studies (p. 59)*	50
Major Requirements	
CHM 100, 101; 200, 201; 300, 301; 410; 498	28
Elective in Chemistry (above 299)	3
PHY 150, 151 or 200, 201	6
MAT 107, 108 or equivalent; 221, 222	8-14
Electives	19-25
Total	120

Requirements for a Bachelor of Science Degree in Chemistry with Biochemistry emphasis (for pre-medical, pre-dental, pre-veterinary etc.)

	Sem. Hrs.
Basic Studies (p. 59)*	50
Major Requirements	
CHM 100, 101; 200, 201; 300, 301; 311, 498	28
BIO 100; 102; 371; 472	15
Electives in Biology taken from	
BIO 211, 212; 221; 222; 301; 310; 372; 461	8

PHY 150, 151; or 200, 201	6
MAT 107, 108 or equivalent	6
Electives (MAT 221, 222 recommended)	7
	<hr/>
Total	120

*Students who plan a major in chemistry or physics should consult with the Department Chairman before registering for Basic Studies courses.

COURSES

PHYSICAL SCIENCE (PHS)

100. **Development of Physical Thought I**

In a nonmathematical descriptive fashion, this course traces the history of physical thought from the earliest records to the present. The men, their ideas, motives, and methods, and the mental and social climate of their times are discussed. Fall, Spring. Credit, 3 semester hours.
101. **Development of Physical Thought II**

Prerequisite: It may be somewhat helpful (but not required) to have taken PHS 100 as background for this course.

In the fashion of PHS 100, this course deals primarily with 19th and 20th century science, such as electricity and magnetism, the nature of light, and the strange worlds of the very fast (theory of relativity), and the very small (quantum theory). Fall, Spring. Credit, 3 semester hours.
105. **Physical Science for Elementary Teachers**

A study of man’s knowledge of the world in which he lives. The essentials of chemistry, physics, geology, and astronomy. Fall, Spring. Credit, 4 semester hours with laboratory (108 or 109).
108. **Physical Science Laboratory (K-3)**

Corequisite: PHS 105 or equivalent.

Laboratory activities focus on the use of science processes in physics, astronomy, chemistry, and geology. Methods of teaching science to young children are considered in the laboratory content. Recommended for prospective elementary teachers at the K-3 level and majors in special education. Fall, Spring. Credit, 1 semester hour.
109. **Physical Science Laboratory (4-9)**

Corequisite: PHS 105 or equivalent.

Laboratory activities focus on the use of science processes in physics, astronomy, chemistry, and geology. A greater emphasis on developing experience in laboratory skills as well as teaching methodology are included to meet the special needs of prospective elementary teachers at the 4-9 level and in reading education. Fall, Spring. Credit, 1 semester hour.
116. **Exploring Man’s Energy Choices**

A survey of the evolution of the energy crisis. The various energy alternatives are considered with regard to the technological, environmental, and economic problems associated with each. Fall. Credit, 3 semester hours.

CHEMISTRY (CHM)**100, 101. General Chemistry**

Prerequisite: CHM 100 for 101.

A study of elements, molecules, and atoms, their relationships to the environment and society. A laboratory is included. Fall, Spring. Credit, 4 semester hours each.

109. Chemistry, the Modern World, and Man

A survey course in chemistry designed for the non-science major. Study of the relationship of chemistry to man and the world which surrounds him. Special emphasis will be given to contemporary problems of energy, environment, health, and nutrition. Fall, Spring. Credit, 3 semester hours.

200. Qualitative Analysis

Prerequisite: CHM 101.

The principles and techniques required in qualitative separation and identification of inorganic cations and anions. A laboratory is included. Fall. Credit, 4 semester hours.

201. Quantitative Analysis

Prerequisite: CHM 200.

The principles of gravimetric and volumetric analysis. Correct laboratory procedures are stressed. A laboratory is included. Spring. Credit, 4 semester hours.

210, 211. Organic and Biological Chemistry

Prerequisite: CHM 101.

Molecular structure, including stereochemistry, reactivity and the theoretical basis for correlation between the two. Different types of reaction mechanisms are presented using as examples molecules of biological importance. A laboratory is included. Fall. Credit, 4 semester hours each.

300, 301. Organic Chemistry

Prerequisite: CHM 101.

The aliphatic and aromatic carbon compounds with special emphasis on structure, major reactions and reaction mechanisms. A laboratory is included. Fall. Credit, 4 semester hours each.

310. Biochemical Structure and Mechanism

Prerequisite: CHM 101.

Atomic and molecular structure, as applied to organic and biological molecules. the concept of resonance and modern concepts of reaction mechanisms are introduced and are applied to biological reactions. As announced. Credit, 3 semester hours.

311. Biochemistry

Prerequisite: CHM 301 or 310.

A study of the chemical constitution of living matter and the biochemical buildup and breakdown of molecules in living organisms. As announced. Credit, 3 semester hours.

311L. Experimental Methods in Biochemistry

Prerequisite: Enrollment in, or completion of CHM 311.

A student laboratory which deals with the experimental methods used in biochemistry. As announced. Credit, 1 semester hour.

327. Instrumental Analysis

Prerequisites: CHM 201, PHY 151 or equivalent.

Study of methods for the analysis and separation of mixtures, with emphasis on techniques in modern industrial usage. Laboratory projects are included. Spring. Credit, 3 semester hours.

410, 411. Physical Chemistry

Prerequisites: 16 hrs. of college chemistry, mathematics through calculus, and consent of instructor.

A theoretical and mathematical treatment of the fundamental laws and theories underlying the science of chemistry. As announced. Credit, 3 semester hours each.

410L, 411L. Experimental Methods in Physical Chemistry

Prerequisites: Enrollment in, or completion of, CHM 410 for 410L, and 411 for 411L.

A student laboratory which deals with experimental methods used in physical chemistry. As announced. Credit, 1 semester hour each.

498. Literature Seminar

Prerequisite: Senior chemistry major.

Introduction to methodology of researching a topic in the chemical literature. Spring. Credit, 1 semester hour.

499. Independent Study in Chemistry

Prerequisite: Consent of Department Chairman.

Individual research in advanced areas of chemistry. Offered for chemistry majors only. Fall, Spring. Credit, 1 to 3 semester hours.

PHYSICS (PHY)**100. Elementary Physics I**

In an essentially descriptive fashion this course describes the nature of: motion and its causes, energy, momentum, theory of relativity, heat and temperature, pressure, sound, and others. Fall. Credit, 3 semester hours.

101. Elementary Physics II

Prerequisite: It is helpful (but not required) to have taken PHY 100 as background for this course.

In the fashion of PHY 101, this course describes the nature of electricity and magnetism, light and optical devices, and the atom (what we now know and what we believe we can't know). Spring. Credit, 3 semester hours.

115. Electronics (A Survey)

The limitations of electronics are not known. We live in an "electronic age." This course is a survey of the entire field of electricity and electronics from why rubbing a balloon can cause it to stick to the ceiling (apparently defying gravity) through how radio and TV work, to the modern electronics of the calculator and computer. As announced. Credit, 3 semester hours.

150, 151. College Physics I, II

Prerequisites: MAT 107 or equivalent for 150, 150 for 151.

A treatment of the subject matter of general physics (listed, in part, under 100, 101) at a level of thoroughness expected in such curricula as pre-med, biochemistry, etc. (for pre-engineering or physics curricula see 200, 201). Fall, Spring. Credit, 4 semester hours each with laboratory (206, 207).

200, 201. University Physics I, II

Prerequisites: MAT 221 or equivalent (may be taken concurrently) for 200, 200 for 201.

The most thorough treatment of the subject matter of general physics (listed, in part, under 100, 101). A beginning course expected in such curricula as pre-engineering, physics, etc. As announced. Credit, 3 semester hours each.

206, 207. Physics Laboratory

Prerequisites: For 206, enrollment in, or completion of PHY 100, 150, or 200. For 207, enrollment in or completion of PHY 101, 151, or 201.

A student laboratory to complement and reinforce the physical relationships discussed in the lecture classes. Fall, Spring. Credit, 1 semester hour each.

218. Optics

Prerequisites: PHY 101, 151, or 201.

Optical instruments such as cameras, telescopes, and many more are discussed. Their uses, limitations, and how they work are all included. Experimentation comprises half of the course. As announced. Credit, 3 semester hours.

256. Modern Physics

Prerequisite: PHY 101, 151, or 201.

A survey of the physics of the 20th century. The fundamental ideas of the theory of relativity and quantum mechanics via the anomalies that led to their formulation. As announced. Credit, 3 semester hours.

320, 321. Electricity and Magnetism

Prerequisites: PHY 101, 151, or 201 and working knowledge of calculus for 320, 320 for 321.

Electrostatics, magnetic and electric fields, capacitance, inductance, electric machinery and meters. As announced. Credit, 3 semester hours each.

326. Heat and Temperature

Prerequisites: PHY 100, 150, or 200 and a working knowledge of calculus.

Heat and its effects. Heat engines and their limitations. The concepts of entropy and other facets of thermodynamics. As announced. Credit, 3 semester hours.

336. Mathematical Physics

Prerequisite: A working knowledge of calculus.

Three dimensional vector and tensor calculus. Green's and Stoke's theorems. Vector spaces, linear independence, orthogonality, hermetian and unitary operators. Eigenvalues and eigenvectors of operators, function spaces as vector spaces, and elements of the theory of distributions. As announced. Credit, 3 semester hours.

448. Special Topics

Prerequisites: PHY 101, 151, or 201; MAT 222.

Individual study either of subject matter in existing courses (in more depth) or of subjects for which there is no present formal course. As announced. Credit, 1-3 semester hours.

POLITICAL SCIENCE

Chairman: CHANG-HYUN CHO
(On Academic Leave)

ROBERT A. DELGROSSO
GIBSON H. GRAY
(Acting Chairman)
*Professor Emeritus

PAUL B. HERRICK, JR.
MIN-CHUAN KU*
GARY R. RASSEL

Political science is the systematic study of politics. Politics is a social phenomenon; a pattern of interaction among men living in groups. People have conflicting notions about which values are important and about how a society should distribute its valued resources. Governments make decisions about the distribution of its valued resources among people. Politics is both the conflict of demands and the process by which these conflicting demands are adjusted.

The Department of Political Science seeks to follow the aims of the liberal arts tradition. It also seeks to provide political science students with an educational background which will prepare them for a wide range of career opportunities and which will be desired by prospective employers from the fields of Law, Foreign Service, Public Administration, Journalism, "Practical Politics," and teaching.

Requirements for a Bachelor of Arts Degree in Political Science

	Sem. Hrs.
Basic Studies (p. 59)*	50
Major Requirements	
PLS 100, Introduction to Political Science	3
PLS 101, Introduction to American National Government	3
At least one course from each of the following areas:	
Theory, Philosophy and Methodology 213, 303, 333 or 418	3
American Government and Politics 201, 202, 215, 301, 304, 305, 306, 310, 312, 317 or 402	3
Public Administration 210, 302, 319, 320 or 331	3
Comparative Government and Politics 200, 275, 321, 370 or 420	3
International Politics 251, 354, 380, 430 or 452	3
And fifteen additional hours of Political Science	15
Electives	34
Total	120

Requirements for a Bachelor of Arts Degree in Political Science:

Pre-Law Option	Sem. Hrs.
Basic Studies (p. 59)*	50
Major Requirements	21
PLS 100, 101, 303, 310, 312, 317, 333	
One course from among:	
Comparative Government and Politics	3
200, 275, 321, 370 or 420	
and	
International Politics	3
251, 354, 380, 430 or 452	
and	
Three additional courses in Political Science	9
Electives**	34
Suggested:	
CMA 101, 225, 302; PHI 100, 101	
Total	120

Requirements for a Bachelor of Arts Degree in Political Science:

Public Administration Option	Sem. Hrs.
Basic Studies (p. 59)*	50
Major Requirements	30
PLS 100, 101, 201 or 202, 210, 302, 319, 320, 333, 360, 361	
Once course from among:	
International Politics	3
251, 354, 380, 430 or 452	
and	
One additional course in Political Science	3
Electives	34
Suggested:	
BUS 227, 228; ECN 201, 202; GGY 316	
Total	120

*Students who plan a major in Political Science should consult with the Department Chairman prior to registering for Basic Studies courses.

**Chosen in consultation with the pre-law advisor.

Requirements for a Minor in Public Administration:

Required Courses	Sem. Hrs.
PLS 100 Introduction to Political Science	3
or	
PLS 101 Introduction to American National Government	
PLS 201 American State Government	3
or	
PLS 202 Local Government in the United States	
PLS 210 Introduction to Public Administration	3
PLS 320 Comparative Public Administration	3
PLS 302 Administration of Municipal Government	3
PLS 319 Public Policy and Analysis	3
Three additional hours of Political Science	3
Total	21

The department believes that there are many students majoring in Business Administration and Economics, Education, Sociology, and other disciplines who may someday seek employment in some administrative position in the public sector. While not wishing to major in political science, these students would benefit from a structured set of courses outlining the operations and problems of the administrator of a public agency. Even if the student never seeks employment as public administrator, the department believes that exposure to these courses within the public administration minor will help the student to perform their private sector administrative roles more capably, especially since the growth of government has created numerous points of contact between public sector and private sector administrators.

Requirements for a Minor in Legal Studies:

Required Courses	Sem.	Hrs.
PLS 100 Introduction to Political Science		3
or		
PLS 101 Introduction to American National Government		
PLS 303 Political Thought		3
PLS 310 Constitutional Law		3
PLS 312 Law of Criminal Procedure		3
PLS 317 Judicial Process and Behavior		3
Three additional hours of Political Science		3
	Total	18

The minor in legal studies is designed to accommodate the student who is majoring in some other discipline and also quite interested in going to law school and pursuing a legal career. This allows the student to concentrate in a particular area of expertise within which he or she plans to specialize once they begin to practice law. Rather than require the student to major in political science the minor in Legal Studies gives the student more flexibility to pursue other interests while receiving a sound preparation for law school study.

Requirements for a Minor in Political Science:

Required Courses	Sem.	Hrs.
PLS 100 Introduction to Political Science		3
or		
PLS 101 Introduction to American National Government		
PLS 303 Political Thought		3
Twelve additional hours of Political Science		12
	Total	18

This third option is less structured than the other minors because the department wishes to accommodate the student who enjoys political science, who does not wish to pursue a major because of other career or educational goals. With the exception of a required course in Political Thought the department wishes to encourage the student to take an "eclectic" approach and enroll in courses that discuss topics of interest to the student so that the individual needs of the student will be better met.

The Department of Political Science participates in the interdepartmental minor in the World Studies Program. For further detail on this minor see p. 257.

The Department of Political Science participates in the interdepartmental minor in the program in Personnel and Organizational Leadership. For further detail on this minor see p. 254.

COURSES (PLS)

INTRODUCTION

100. Introduction to Political Science

A study of general political science concepts, definitions, and approaches within the framework of discussions of how individuals and groups may be able to utilize more effectively the political, social, and economic systems with which they come into contact. Fall, Spring. Credit, 3 semester hours.

101. Introduction to American National Government

An introductory study of: (1) the basic concepts of political science, (2) the brief history and the basic principles of the Constitution, (3) the structure, functions of and the relations between the legislative, executive and judicial branches of the national government, and (4) the relations between the national and state governments. Fall, Spring. Credit, 3 semester hours.

THEORY, PHILOSOPHY, AND METHODOLOGY

213. Contemporary Political Ideologies

Prerequisite: PLS 100 or 101.

A study of twentieth century ideologies, including liberalism, conservatism, nazism, fascism, communism, democratic socialism and more recent doctrines such as third world nationalism, minority liberation, women's liberation, and the new left. As announced. Credit, 3 semester hours.

303. Political Thought

Prerequisite: PLS 100 or 101.

A study of the historic and conceptual background of political thought from the classical through contemporary political thinkers. Emphasis will be placed on the application of ideas and concepts learned to current political and personal situations so as to enable the student to function better and more thoughtfully as an individual and as a member of various social and political systems. Fall or Spring. Credit, 3 semester hours.

333. Introduction to Theory and Methodology

Prerequisite: PLS 100 or 101.

This course concerns basic concepts of political science and teaches the student how to do research, use the library, evaluate the research of others, draw a graph, construct a table, and use a few simple statistical techniques. Fall or Spring. Credit, 3 semester hours.

418. Special Topics in Theory, Philosophy and Methodology

Prerequisite: PLS 100 or 101.

An in-depth study of a selected topic from the field of political philosophy or methodology. As announced. Credit, 3 semester hours.

DIRECTED RESEARCH AND INDEPENDENT STUDY**8. Directed Research in Political Science I**

Prerequisite: PLS 100 or 101.

Written acceptance by a supervising faculty member is required, based on the student's written proposal. A copy of the proposal together with the faculty member's acceptance must be submitted for approval to the Department Chairman prior to registration. Fall or Spring. Credit, 1-3 semester hours.

9. Directed Research in Political Science II

Prerequisite: PLS 100 or 101.

Written acceptance by a supervising faculty member is required, based on the student's written proposal. A copy of the proposal together with the faculty member's acceptance must be submitted for approval to the Department Chairman prior to registration. Fall or Spring. Credit, 1-3 semester hours.

9. Independent Study in Political Science

Directed reading and research under the guidance of the instructor in a specific area or problem in political science. Scheduled only for senior political science majors with the approval of the Chairman of the Department. Fall or Spring. Credit, 1-3 semester hours.

AMERICAN GOVERNMENT AND POLITICS**American State Government**

Prerequisite: PLS 100 or 101.

An examination of the setting, institutions, politics, and policies of state governments in the United States. Fall or Spring. Credit, 3 semester hours.

Local Government in the United States

Prerequisite: PLS 100 or 101.

An examination of the setting, institutions, politics, and policies of local government in the United States. Fall or Spring. Credit, 3 semester hours.

North Carolina Politics and Government

Prerequisite: PLS 100 or 101.

A study of the North Carolina political system: its environment, the forces and elements making up the system, the policies of that system, and the impact of the policies. Fall or Spring. Credit, 3 semester hours.

Political Parties and Interest Groups in the United States

Prerequisite: PLS 100 or 101.

The history, development, organization, functions and purposes of the major parties and interest groups, and the role played by them in the policy-making and election of the government. Fall or Spring. Credit, 3 semester hours.

Legislative Process in the United States

Prerequisite: PLS 100 or 101.

A study of: (1) the distribution of the legislative power in the three branches of the government, (2) the structure and functions of the legislature, (3) the actual process of legislation both in the national and the state governments, its defects and remedies, and (4) the attainment of responsible and responsive government. Important legislative problems will be selected and will serve as a basis for analyzing the legislative process. Fall or Spring. Credit, 3 semester hours.

305. Public Opinion and Elections in the American Political System

Prerequisite: PLS 100 or 101.

A study of the nature of public opinion, campaigns, and elections and their functions in the American political system. Fall or Spring. Credit, 3 semester hours.

306. The American Presidency

Prerequisite: PLS 100 or 101.

The central role of the American presidency in the political process and the relationship among the presidency and the other branches of government. Fall or Spring. Credit, 3 semester hours.

310. Constitutional Law

Prerequisite: PLS 100 or 101.

A study of: (1) the federal system, especially the relations between the national government and the States, (2) the jurisdiction of the federal courts and (3) individual rights. Fall or Spring. Credit, 3 semester hours.

312. Law of Criminal Procedure

Prerequisite: PLS 100.

Constitutional limitations on police activity. Due process; right to counsel; arrest, search and seizure; electronic eavesdropping; confessions; and the scope of exclusionary rules. Fall or Spring. Credit, 3 semester hours.

317. Judicial Process and Behavior

Prerequisite: PLS 100 or 101.

An examination of the role of judges, lawyers, and jurors in the decision-making process as influenced by their recruitment and socialization of the political framework in which they operate, and the various factors, ideology, attitudes and values that influence their decisions. Fall or Spring. Credit, 3 semester hours.

402. Selected Topics in American Government

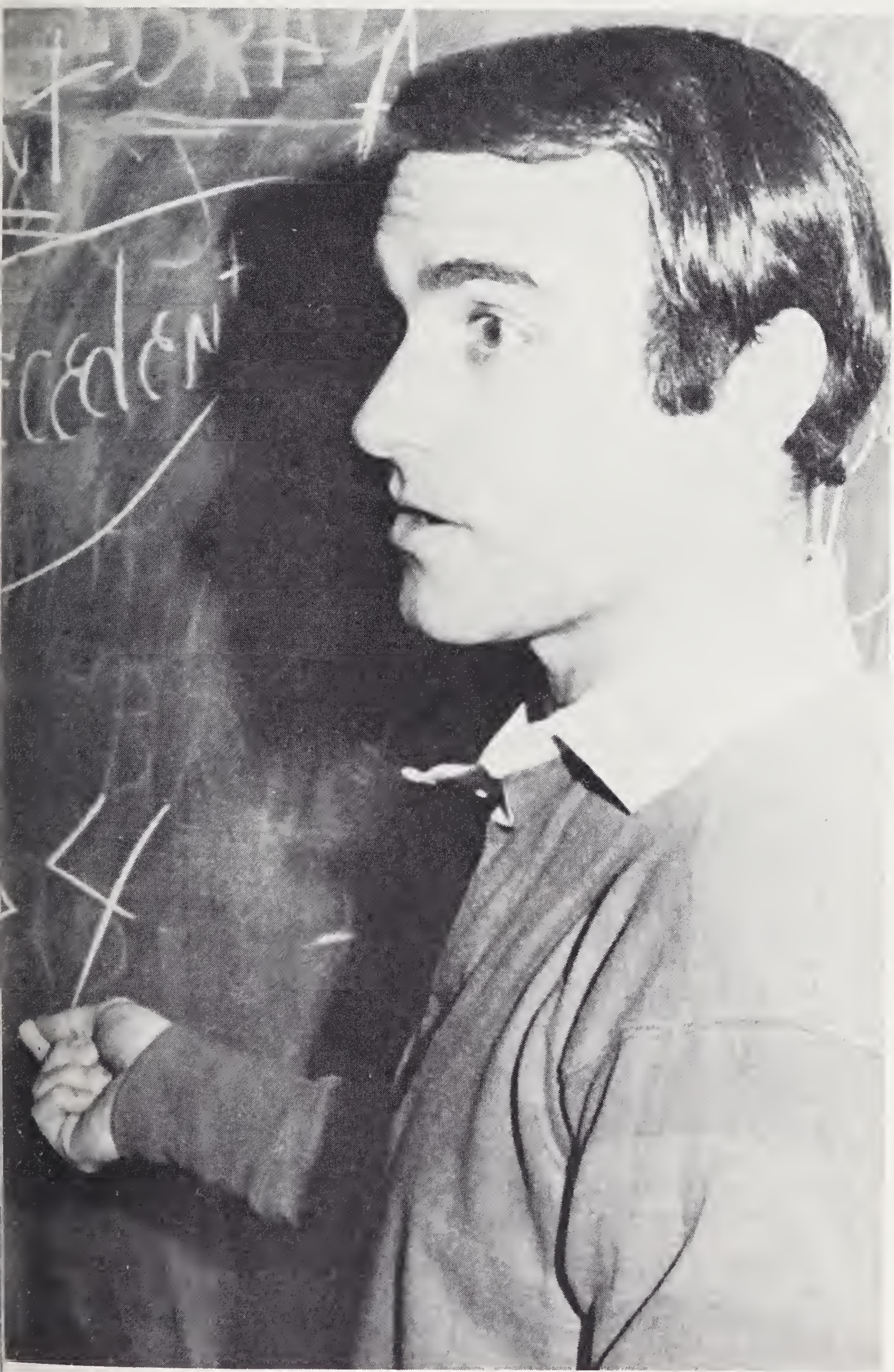
Prerequisite: PLS 100 or 101.

A study of selected problems, either in theory or in practice, in American government, with readings, discussions and papers on these problems. Fall or Spring. Credit, 3 semester hours.

405. Washington Legislative Internship

Prerequisite: PLS 304.

This internship presents an opportunity for a student to get a deeper understanding of the legislative process by participating in the activities of a U.S. Congressman's office. The intern will spend a semester in Washington, D.C. working in the office of a Congressman and will be responsible for performing assigned research on legislative issues as well as working on constituent problems. Students will be assigned reading material on the legislative process and will be required to submit various papers in order to fulfill the internship requirements. The internship is limited to Political Science majors. No more than six credit hours may be applied to fulfill the thirty-six hour requirement for major in political science nor is the student eligible to also enroll in any other departmental internship program (PLS 360, 361, or 364). Scheduled for political science majors with the approval of the Chairman of the Department. Credit, 12 semester hours.



PUBLIC ADMINISTRATION**210. Introduction to Public Administration**

Prerequisite: PLS 100 or 101.

An introductory study of general principles and problems of administrative organization in government: federal, state, and local. The role, relationships, processes, and control of governmental institutions, in the political context, with special emphasis on the American experience, will be surveyed. Fall or Spring. Credit, 3 semester hours.

302. Administration of Municipal Government in the United States

Prerequisite: PLS 100 or 101.

A study of American municipal government in its setting and development, power and politics, management process, administration of services, social and economic problems, planning, fiscal problems and practices, intergovernmental relations, and emerging trends. Fall or Spring. Credit, 3 semester hours.

319. Public Policy and Analysis

Prerequisite: PLS 100 or 101.

This course seeks to explore both the causes and consequences of public policy, i.e., both policy determination and policy impacts. The former is concerned with political, economic, social, environmental or other factors which are hypothesized to be policy determinants. The latter is concerned with social, economic, political, or other conditions which are hypothesized to be policy impacts. Fall or Spring. Credit, 3 semester hours.

320. Comparative Public Administration

Prerequisite: PLS 100 or 101.

Examination and analysis are made of the administrative systems of foreign governments of selected Western and non-Western countries; attention is given to practices applicable to administration in the United States. Fall or Spring. Credit, 3 semester hours.

331. Public Finance (ECN 330)

Prerequisite: ECN 201, 202.

A study of revenue and expenditure on all government levels in the United States. As announced. Credit, 3 semester hours.

360. Introductory Internship in Public Administration

Prerequisite: PLS 100 or 101.

The acquisition of public management experience through an arranged internship in a government or community agency or enterprise, under the instruction and supervision of the major professor and a designated official of the agency or enterprise involved. Fall or Spring. Credit, 3 semester hours.

361. Advanced Internship in Public Administration

Prerequisite: PLS 360.

This is a continuation of the internship of PLS 360. It continues the acquisition of public management experience through an arranged internship in a government or community agency or enterprise, under the instruction and supervision of the major professor and a designated official of the agency or enterprise involved. Fall or Spring. Credit, 3 semester hours.

364. Practicum in Public Administration

Restriction: Open to majors in Political Science only.

Prerequisite: PLS 100 or 101, and consent of instructor and departmental chairman.

This course provides students with management experience of at least 80 working days with regular wages provided by a government or community agency. Working under the supervision of a major professor and a designated official of the agency, students produce an extended report exploring a concern of the agency. As announced. Credit, 6 semester hours.

COMPARATIVE GOVERNMENT AND POLITICS**100. Introduction to Comparative Politics**

Prerequisite: PLS 100 or 101.

This course introduces the subject matter of comparative politics by examining different types of political systems such as a West European parliamentary democracy, a third world authoritarian state, and a totalitarian communist system. As announced. Credit, 3 semester hours.

75. Politics in the Developing World

Prerequisite: PLS 100 or 101.

This course introduces the student to the politics of underdeveloped countries. Special emphasis is placed on the study of nationalism, revolution, economic development, and political modernization. Fall or Spring. Credit, 3 semester hours.

21. Soviet Government

Prerequisite: PLS 100 or 101.

A study of the government that emerged after the Revolution of 1917, emphasizing the subsequent power struggle and gradual development of the U.S.S.R. Fall or Spring. Credit, 3 semester hours.

70. Comparative Political Area Studies

Prerequisite: PLS 100 or 101.

An examination of the cultural and political ideas, institutions and forms of government in a specific geographic region. Far Eastern, Middle Eastern, African, Latin American, West European, and East European governments are possible areas for examination in this course. The area of study and specific focus will rotate. As announced. Credit, 3 semester hours.

10. Special Topics in Comparative Politics

Prerequisite: PLS 100 or 101.

An in-depth study of a selected topic from the field of comparative politics. As announced. Credit, 3 semester hours.

INTERNATIONAL ORGANIZATION, RELATIONS, AND LAW**1. Introduction to World Politics (WLS 251)**

Prerequisite: PLS 100 or 101.

An analysis of politics and relations among nations: (1) sovereignty, (2) domestic jurisdiction, (3) status quo, (4) colonialism, (5) balance of powers, (6) alliance and neutrality, (6) peaceful adjustment of disputes, (8) disarmament, (9) standards of international conduct, (10) economic development and political advancement of the developing peoples. Fall or Spring. Credit, 3 semester hours.

354. International Relations in the Far East

Prerequisite: PLS 100 or 101.

An analysis of the foreign policies of China, Japan, and other Asian states involved presently or potentially in global conflicts with special attention to the United States' role in the area. Fall or Spring. Credit, 3 semester hours.

380. The Politics of World Order

Prerequisite: PLS 100 or 101.

A study of the general approaches to world order with special attention given to the management of that order through the workings of international law and organizations. Fall or Spring. Credit, 3 semester hours.

430. Special Topics in International Politics

Prerequisite: PLS 100 or 101.

An in-depth study of a selected topic in the field of international politics. As announced. Credit, 3 semester hours.

452. Problems in American Foreign Policy (HST 452)

Prerequisite: PLS 100 or 101.

A study of major issues and problems in American foreign policy, including tradition and other constant factors of policy making, with major emphasis on the post-World War II period. Fall or Spring. Credit, 3 semester hours.

PSYCHOLOGY

Chairman: KATHRYN K. RILEIGH

ALVIN JONES
JAMES F. HUBBARD

WRIGHT KILLIAN
MICHAEL STRATIL

The purpose of the Psychology Department is to provide students with academic and applied learning experiences in a variety of subfields of psychology. All of the major specialties in psychology are represented by the interests of the faculty members and coursework in the department. The emphasis in the teaching is twofold: (a) to offer sound training in psychological principles which will be useful to students in their lives and (b) to provide courses which will prepare students for entrance into graduate degree programs in psychology and related fields.

Students interested in individualized academic and work-related projects will find a sampling of psychology courses designed for that purpose. In addition, a psychology laboratory is available to students either taking courses requiring its use or interested in pursuing independent research activities.

Requirements for a Bachelor of Science Degree in Psychology:

	Sem. Hrs.
Basic Studies	50
Major Requirements (see below)	40
Electives	30
Total	120

Courses required for all psychology majors—16 hours

- 101 Introductory Psychology
- 110 Developmental Psychology
- 210 Psychological Research
- 215 Psychology of Learning
- 216 Social Psychology

Psychology majors are required to take 18 hours from A or from B

A. Applied

- 217 Applied Psychological Research
- 221 Applied Psychology
- 315 Human Motivation
- 316 Leadership
- 317 Communication
- 360 Abnormal Psychology
- 403 Testing
- 417 Clinical (or 418 Counseling)

350 (Mental Health Practicum) or 414 (Applied Psychology Practicum) is required for Option A and is included in the 18 hour requirement for option A.

The applied option will provide the student an opportunity to develop a variety of useful skills in psychology and a broad background in psychology. This is the best option for students who wish to develop practical skills while obtaining an undergraduate psychology major.

B. Basic

- 208 Psychological Statistics
- 304 History and Systems of Psychology
- 312 Cognitive Processes
- 315 Human Motivation
- 355 Sensation and Perception
- 360 Abnormal Psychology
- 375 Theories of Personality
- 399 Directed Study
- 401 Physiological Psychology

The basic option is considered the best for students who plan to attend graduate school and for those who want a traditional psychology major.

Six hours of electives in psychology are required of each major.

Fifteen hours of 300-400 level courses are required for a major in psychology.

Requirements for a Minor in Psychology

The Psychology Department offers a minor program consisting of 18 unduplicated semester hours. Minors must be approved by the department.

Course Number	Course Title	Sem. Hrs.
PSY 101	Introductory Psychology	3
PSY 110	Developmental Psychology	3
PSY 215	Psychology of Learning	3
PSY 216	Introduction to Social Psychology	3
Electives in Psychology (300-400 Level Courses)		6
Total		18

The Department participates in the inter-departmental minor in personnel and organizational leadership. For further details on this minor, see p. 257.

COURSES (PSY)

101. Introductory Psychology

A survey of major areas of psychology, with emphasis on issues, concepts and terminology needed for more advanced courses. Fall, Spring and Summer Credit, 3 semester hours.

103. Psychology of Parenthood

The application of psychological concepts by parents to the understanding and modification of child behavior at all stages of development. Recommended for Basic Studies requirement. Fall. Credit, 3 semester hours.

104. Tactics and Strategies in Learning

A survey of learning principles and how they may be applied in everyday and professional situations. Topics explored will include formats of learning and training, skill acquisition, study habits, memory techniques, and procedures for behavioral change. More general topics that might affect how one approaches a learning/training situation will also be discussed. Alternate Spring. Credit, 3 semester hours.

10. Developmental Psychology

The study of the stages and processes involved in all areas of development of the human organism from conception through adolescence. Fall and Spring. Credit, 3 semester hours.

50. Human Adjustment and Personal Growth

A survey of current knowledge about everyday psychological adjustments and personal growth. Topics include personality theories, adjustment problems, growth processes, interpersonal relationships, values anxiety, frustration, conflict, and stress. Classroom activities include lectures, discussions, and group exercises. Fall, Spring. Credit, 3 semester hours.

08. Psychological Statistics

An introduction to simple descriptive and inferential statistics which are frequently used by psychologists. The selection and application of procedures appropriate to specific types of psychological research and the standardization of psychological tests will be emphasized. Spring or Summer. Credit, 3 semester hours.

10. Psychological Research

Prerequisite: Any psychology course.

An introduction to research methods used in psychology. Experimental research will be emphasized, but survey and correlational research will also be included. Three lectures and a two-hour lab weekly. Spring. Credit, 4 semester hours.

15. Psychology of Learning

Prerequisite: PSY 101.

An introductory survey of the major areas in the psychology of learning. Classical conditioning, operant conditioning, verbal learning, and memory will be included. Fall. Credit, 3 semester hours.

16. Introduction to Social Psychology

Prerequisite: PSY 101 or SOC 201.

An introduction to the concepts, principles, theories, and research of social psychology. Social psychology is the study of social influence processes. Topics such as attitude change, perception of other people, interpersonal attraction, aggression, altruism, prejudice, and group dynamics will be covered. Fall. Credit, 3 semester hours.

17. Applied Psychological Research

Prerequisite: PSY 210.

An exploration of the use of psychological research methods in applied settings. The use of existing data, survey research, and evaluation research will be emphasized. Three one-hour lectures and a two-hour lab per week. Fall. Credit, 4 semester hours.

220. Behavior Modification

Prerequisite: PSY 215 or EDN 202.

The application of learning principles to the modification of child behavior in the home, in the classroom and on the playground with a special emphasis on the behavior problems in retardation, autism, hyperactivity, and delinquency. Spring alternate years. Credit, 3 semester hours.

221. Applied Psychology

Prerequisite: PSY 101.

A survey of the applied areas of psychology including organizational and industrial psychology, engineering psychology, environmental psychology, and clinical and counseling psychology. The relationships between psychology and other professions will also be examined. Fall. Credit, 3 semester hours.

250. Psychology of Women

A study of women and women's behavior from a psychological perspective. Includes the following topics: sex differences, male-female roles, processes of identification, stereotypes, and sexuality. Spring. Credit, 3 semester hours.

299. Child Clinical Psychology

The study of the origin of child behavior problems (aggression, withdrawal, delinquency, learning disabilities, retardation, autism, and childhood psychosis) and the application of therapy techniques to each area. Fall or Spring, and Summer. Credit, 3 semester hours.

304. History and Systems of Psychology

Prerequisite: PSY 101.

A study of the development of psychology as a discipline from ancient Greece to modern times. Present issues in psychology are traced to their origins. Spring. Credit, 3 semester hours.

309. Seminar on Psycholinguistics: Psychology of Language

A study of theories and research on the learning and usage of language. Includes speech perception, child language development, word meanings, deafness, and other related topics. Alternate Fall. Credit, 3 semester hours.

312. Cognitive Processes

Prerequisite: PSY 101.

An examination of human memory and thinking within the context of the human information processing model. Spring. Credit, 3 semester hours.

315. Human Motivation

Prerequisite: PSY 101.

Integration of diverse theoretical perspectives into a coherent framework for analyzing human motivation, with a selective survey of contemporary research. Development of practical skills in measuring and influencing the motivation of adults. Fall. Credit, 3 semester hours.

316. Psychology of Leadership

Examination of the psychological processes in small group leadership. Topics will include self-assertion, decision-making, persuasion, and compliance. Emphasis on theory, research, and acquisition of practical leadership skills. Spring. Credit 3 semester hours.

317. Psychology of Social Communication

Study of the psychological processes in everyday social communication. Examination of the relationship between misunderstanding, hostility, egocentricity, psychological defenses, and the frequent conflict between verbal and nonverbal cues. Emphasis on applying psychological theory to the solution of specific communication problems in the student's own life. Spring. Credit, 3 semester hours.

350. Practicum: Applied Psychology

Prerequisite: A written plan of the project should be approved by the Department Chairman no later than two weeks prior to registration.

Supervised experiential learning in locations where psychological principles are applied (e.g., corrections, industry). Fall, Spring. Credit, 1-3 semester hours.

355. Sensation and Perception

Prerequisite: PSY 101.

An examination of the structures and processes involved in perception. Visual and auditory perception will be emphasized. Fall alternate years. Credit, 3 semester hours.

360. Abnormal Psychology

A study of the history, theories, and causes of mental disorders. Various types of disorders are examined along with their typical symptoms. Uses of psychological testing and clinical interviews are studied. Spring. Credit, 3 semester hours.

375. Personality Theories

Various theoretical approaches to the study of personality. Fall. Credit, 3 semester hours.

397. Current Topics Seminar

Comprehensive treatment of selected topics in psychology. Content will vary, depending on interests of participants. Offered on demand (see Department Chairman). Credit, 3-9 semester hours in multiples of 3.

399. Directed Study

Prerequisite: A written plan of the project should be approved by the Department Chairman no later than two weeks prior to registration.

Directed readings and/or research, leading to the preparation of a paper or research report. Exclusively for psychology majors. Amount of credit given will be agreed upon prior to registration and will depend upon the magnitude of the project chosen. Fall, Spring. Credit, 1-6 semester hours.

401. Physiological Psychology

Prerequisite: 18 hours of biology or psychology.

The study of the structure and functioning of the nervous system as applied to human behavior. This course is taught with personalized educational design using a text and workbook in direct individualized sessions with the professor. Spring. Credit, 3 semester hours.

403. Introduction to Psychological Testing

An intensive introduction to basic psychometric concepts including types of test scores, score transformation techniques, validity, reliability, and norms. Practical application of psychometric concepts will be experienced through the administration, evaluation, and interpretation of psychological tests. Fall. Credit, 3 semester hours.

414. Practicum: Mental Health Service Experience

Prerequisite: Permission of Department Chairman.

Interested students should have written plan of work approved by the Chairman no later than two weeks prior to registration. Supervised experience in one of the five major areas of a comprehensive mental health center (inpatient, outpatient, consultation/education, partial hospitalization, and emergency service). Fall, Spring. Credit, 3 semester hours.

417. Introduction to Clinical Psychology

Prerequisite: PSY 101.

A survey of the clinical field with special emphasis on people-helping skills and institutions. Includes trips to institutions and practicum work with individuals. Spring. Credit, 3 semester hours.

418. Introduction to Counseling Psychology

An introductory survey of counseling with emphasis on basic skills and knowledge of techniques. The course is both didactic (theories of counseling) and experiential (role-playing in class). Opportunities for classroom discussion, professional feedback about skills and potential, and video-taping. Fall, Spring. Credit, 3 semester hours.

450. Introduction to Group Processes

An experientially oriented course designed to acquaint the student with basic issues and different theoretical perspectives of group interaction. Summer. Credit, 3 semester hours.



SOCIOLOGY

Chairman: FRANK SCHMALLEGER

ELEANOR H. BLAKELY
JOHN BOWMAN
NORMAN LAYNE

STEPHEN MARSON
BARNEY PAUZE
JOHN RIMBERG

The purpose of the Sociology Department is to provide students with classroom and real-life experiences designed to stimulate critical thought about man's social environment and to prepare students for meaningful participation in society.

The department offers both a major and minor in Sociology, a major in Social Work, a program track in School Social Work, and a program track in Criminal Justice through the Sociology major. In addition, minors are available in the specialty areas of Criminology, Medical Sociology and Social Work.

The department places major emphasis on applied Sociology. Many courses within the department allow students to test classroom learning through real-life experience (field-work placement) in the community. Such experiences enhance students' employment opportunities following graduation.

Moreover, it is now possible for students to graduate with a Sociology major without taking any courses during the daytime. All required courses and much of the remaining curriculum are offered (on a rotating basis) at night or weekends.

The Sociology Department strongly recommends that prospective majors, minors and those developing a specialty concentration consult the Department chairperson.

Requirements for a Bachelor of Arts Degree in Sociology

	Sem. Hrs.
Basic Studies (p. 59)	50
Major Requirements	
SOC 201, 309, 340, 346, 370, 490	18
Any three courses from: II. GENERAL SOCIOLOGY except SOC 110, 309, or 490	9
Eighteen additional semester hours of sociology	18
Electives	25
Total	120

Sociology majors who elect to study a second course in mathematics are advised to select Introduction to Statistics. Although a course in statistics is recommended, it is not required.

SOCIAL WORK

The primary objective of the Social Work Program is preparation for beginning professional social work practice. Courses are offered in social work practice, social welfare policies and services, human behavior and the social environment, and social research. An integral and required part of the program is successful completion of a minimum of 300 clock hours of supervised field work.

Requirements for a Bachelor of Science Degree in Social Work

	Sem. Hrs.
Basic Studies (p. 00)	50
Major Requirements:	
a. SOC 345, 346, 348, 380, 391, 459, 470, 471	26
b. Twelve hours from either:	12
1. Block A: Direct Services	
SOC 303, 375, 377, 383, 384, 385	
OR	
2. Block B: Policies and Programs	
c. Sociology electives	6
General Electives	26
Total	120

Requirements for a Bachelor of Science Degree in Social Work with a Program Track in School Social Work

	Sem. Hrs.
Basic Studies (p. 00)	50
Major Requirements:	
a. SOC 345, 346, 348, 380, 391, 459, 470*, 471*	26
b. Nine hours from the following:	
SOC 333, 383, 385, 403; PSY 316	9
c. Nine hours from the following:	
SOC 303, 377; PSY 299; SED 100, 200	9
General Electives	26
Total	120

*Field Work (SOC 470, 471) must be completed under the supervision of an individual certified in School Social Work by the State of North Carolina.

CRIMINAL JUSTICE

The purpose of the Criminal Justice Program is to provide students with a thorough understanding of the social organization and administration of the criminal justice system. Courses are offered in theories of crime and

delinquency, the police, the courts, corrections, and administration. The student also can explore the field of deviant behavior in American society.

Requirements for a Bachelor of Arts Degree in Sociology with a Program Track in Criminal Justice

Basic Studies (p. 00)	Sem. Hrs.
Major Requirements:	50
a. SOC 201, 309, 340, 346, 370, 490	18
b. Fifteen hours from the following: SOC 341, 342, 343, 344, 362, 364, 440	15
c. Fifteen hours as follows: PLS 310, 317, 319; PSY 360; PHI 377	15
d. Recommended program: Students who plan a career in criminal justice are strongly encouraged to take the following two courses, which represent a block in the area of criminal justice administration and practical experience in the field. SOC 460, 470	7
Electives	15
Total	120

MINORS

Requirements for a Minor in Sociology

Select a minimum of 18 unduplicated semester hours as follows:

Course Title	Course Number	Sem. Hrs.
Sociological Concepts	SOC 201	3
Social Problems	SOC 309	3
Sociology electives (300-400 level)		12
Total		18

Requirements for a Minor in Criminology

Select a minimum of 18 unduplicated semester hours from the following eight courses:

Course Title	Course Number	Sem. Hrs.
Introduction to Criminology	SOC 340	3
Juvenile Delinquency	SOC 341	3
Punishment & Correction of Criminals	SOC 342	3
Law Enforcement	SOC 343	3
Social Justice	SOC 344	3
Crimes Without Victims	SOC 362	3
Probation, Parole & Community Corr.	SOC 364	3
Senior Seminar on Deviance and Social Counter-Measures	SOC 440	3

Requirements for a Minor in Medical Sociology

Select a minimum of 18 unduplicated semester hours from the following eight courses:

Course Title	Course Number	Sem. Hrs.
Introduction to Medical Sociology	SOC 370	3
Health Care Occupations	SOC 371	3
Health Care Delivery Systems	SOC 372	3
Preventive Health Practices	SOC 373	4
Social Dimensions of Disease Trans.	SOC 374	4
Death, Dying and Chronic Illness	SOC 375	4
Medical Ethics	SOC 376	3
Drug Use and Abuse	SOC 377	3

Requirements for a Minor in Social Work

Select a minimum of 18 unduplicated semester hours from the following eleven courses:

Course Title	Course Number	Sem. Hrs.
Human Behavior & Social Environment	SOC 345	3
Introduction to Social Work	SOC 346	3
Social Welfare Policies & Programs	SOC 348	3
Client Contact in Social Work I	SOC 380	3
Child Welfare Services	SOC 383	3
Social Gerontology	SOC 384	3
Client Contact in Social Work II	SOC 385	3
Supervision in Human Services Organ.	SOC 403	3
Minority Groups	SOC 459	3
Introduction to Field Work	SOC 470	4
Advanced Field Work	SOC 471	4

COURSES (SOC)

I. BASIC STUDIES

101. Introduction to Modern Sociology

Recent developments in sociology, anthropology and social psychology. Social science and public issues. Fall. Credit, 3 semester hours.

103. Cultural Anthropology and Sociology in Education

Socio-cultural differences and similarities. Regional and local aspects. Socialization and enculturation. Ethnic and linguistic factors. School-community relations. Teaching problems and opportunities. Classroom applications. Fall. Credit, 3 semester hours.

201. Sociological Concepts

Human society. Relationships of society to personality and culture. Development of group life and social environments. Required of sociology majors. Spring. Credit, 3 semester hours.

202. Introduction to Cultural Anthropology (AIS 202)

A survey of the various processes and conditions involved in cultural growth and change, including the relation between technology, religion, art, literature, language, and personality development. Emphasis is placed on human ecology and contacts between cultures. Fall. Credit, 3 semester hours.

II. GENERAL SOCIOLOGY

RESTRICTION: SOC 110, 309 and 490 cannot be used to meet General Sociology major requirements.

Modern Society**309. Social Problems in Modern Society**

Social costs of organized social life. Problems in families, work groups, local communities, and modern nations. Sociology of mental disorders, suicide, drug abuse, alcoholism, etc. Poverty and violence. Spring. Credit, 3 semester hours.

310. Sects, Cults and Religious Movements in America (REL 310)

Prerequisite: Soc 201.

Restriction: Sociology majors only.

Fall of 1984-85 and alternate years. Credit, 3 semester hours.

323. Language and Society (CMA 381)

Prerequisite: SOC 201.

Restriction: Sociology majors only.

Spring. Credit, 3 semester hours.

329. Introduction to Environmental Sociology

A study of the social aspects of the natural environment. Environmental factors influencing societal development, and ideological conceptions which relate people to their surroundings are explored. The interdependence of culture and physical resources is stressed. Fall. Credit, 3 semester hours.

330. Social Change in Modern Society

Technological, ideological and social processes and transformations. Invention and discovery. Innovation and diffusion. Social contact, culture shock, and accommodation. Planned and unplanned change. Cultural drift. Functional and dysfunctional challenges and responses. Spring of 1983-84 and alternate years. Credit, 3 semester hours.

331. Population and Urbanization

A study of population size, structure, distribution, and the role of people in community development. Human ecology, rural sociology, and the global trend to urbanization are stressed. Fall 1983-84 and alternate years. Credit, 3 semester hours.

338. Social Stratification and Mobility

Horizontal and vertical segmentation. Caste, class, estate, and pluralism. Closed and open societies. Social mobility. Spring of 1984-85 and alternate years. Credit, 3 semester hours.

459. Minority Groups

Ethnic, religious, racial and other minorities. Types of majority-minority relationships. Social integration, segregation, discrimination and prejudice. Spring. Credit, 3 semester hours.

Social Institutions**303. The Family**

Structure and functions of kin groups in societies. Types of families. Cooperation and conflict. The family in relation to other social institutions. Mate selection, courtship and family relationships. Stability and change. Fall of 1984-85 and alternate years. Credit, 3 semester hours.

333. Schools and Universities in Modern Society

Sociology of education. Structure and functions of schools in societies. Types of schools. Cooperation and conflicts. Socialization, training and educational relationships. Stability and change. Spring of 1983-84 and alternate years. Credit, 3 semester hours.

336. Political Sociology

Social movements and institutionalized authority. Charisma and legitimation. Ideology and social structure. Mass persuasion, propaganda and pressure groups. Fall of 1984-85 and alternate years. Credit, 3 semester hours.

337. Military Sociology

Civilian-military relations. Military government. Social organization of the armed forces. Leadership and morale. Sociological aspects of military training. Veterans' organizations. Spring 1984-85 and alternate years. Credit, 3 semester hours.

417. Sociology of Religion (REL 417)

Prerequisite: SOC 201.

Religious institutions and relationships in modern society. As announced. Credit, 3 semester hours.

Social Anthropology**358. American Indians Before Columbus (AIS 358)**

Designed to trace the life and times of America's original inhabitants. Emphasis will be placed upon the Indians of North America, and especially the Southeastern United States. Students will have the opportunity to visit and participate in an archeological excavation. Spring of 1983-84 and alternate years. Credit, 3 semester hours.

455. Advanced Cultural Anthropology

Prerequisite: SOC 202 or equivalent.

Social and cultural anthropology. Trends in cultural theory. Social structure and dynamics. Ethnology and social institutions. Comparative ethnography. Ethnolinguistics. Applied cultural anthropology. Spring of 1984-85 and alternate years. Credit, 3 semester hours.

Method and Theory**110. Introduction to Statistics (CSC 210)**

The same course as CSC 210. Credit, 4 semester hours.

90. **Junior Seminar on Sociological Concepts**
An intermediate-level course in sociological method and theory. Spring. Credit, 3 semester hours.
91. **Understanding Social Research**
Prerequisite: SOC 201. Recommended: SOC 340, 346, and 370.
The ethics, standards and methods of scientific inquiry in social research and the helping services. Particular emphasis is given to standard and methods to improve helping skills. The course is directed to the professional research needs of those preparing for careers in such areas as criminology, medical sociology and social work. A research project is required. As announced. Credit, 3 semester hours.
90. **Senior Seminar on Sociology Concepts**
An advanced course in sociological method and theory. Research paper required. Fall. Credit, 3 semester hours.

II. SPECIALTY CONCENTRATIONS

Criminology and Criminal Justice

40. **Introduction to Criminology**
Deviance in society. Structure and functions of social controls. Law enforcement and crime prevention. Rehabilitation of delinquents and criminals. Prison reform, probation and other trends in social justice. Fall. Credit, 3 semester hours.
41. **Juvenile Delinquency**
Prerequisite: SOC 340.
A study of alienated youth and anti-social conduct, to include the role of social pressures and peer groups in gang behavior. Treatment programs, community counter-measures, and the prevention of delinquency are stressed. Fall or Spring. Credit, 3 semester hours.
42. **Punishment and Correction of Criminals**
Prerequisite: SOC 340.
A study of imprisonment and other forms of punishment, to include the social organization of penitentiaries, jails, and reformatories. Probation, parole, and other forms of correctional treatment are stressed. Spring. Credit, 3 semester hours.
43. **Law Enforcement**
Prerequisite: SOC 340.
A study of police in society, to include the organization of police forces, centralized police power, organized crime, and the recruitment and training of police officers. Fall. Credit, 3 semester hours.
44. **Social Justice**
Prerequisite: SOC 340.
A study of the sociology of law, changing concepts of justice, courts and other legal organizations. The activities of lawyers, judges, and related occupations and professions are stressed. Fall. Credit, 3 semester hours.

362. Crimes Without Victims

Prerequisite: SOC 340.

Victimless crimes. Characteristics and consequences for society and the offender. Social and legal aspects in the United States with special emphasis on North Carolina. Fall or Spring. Credit, 3 semester hours.

364. Probation, Parole, and Community Corrections

Prerequisite: SOC 340.

Origins, development, and contemporary practices in probation, parole, and community corrections. Includes the impact of these services on other elements of criminal justice. As announced. Credit, 3 semester hours.

440. Senior Seminar on Social Deviance and Counter-Measures

Prerequisite: SOC 340.

Restriction: Seniors only.

A study of social pathology and associated treatments, to include deviant subcultures, the social sources of deviant attitudes and behavior, and visible and invisible deviance. Spring. Credit, 3 semester hours.

460. Criminal Justice Administration

Prerequisite: SOC 344.

Introductory study of the history, philosophy and state of the art of management and administration in criminal justice agencies, and provides possible solutions through programmatic evaluation and planning. This course is preparatory for field internships. Fall. Credit, 3 semester hours.

Medical Sociology**370. Introduction to Medical Sociology**

A sociological analysis of health and illness. Topics covered include how persons respond to illness, health-care selection, social factors in therapy, and the social consequences of illness. Fall. Credit, 3 semester hours.

371. Health-Care Occupations

A study of the health-care division of labor and the changing role of doctors, nurses, hospital, administrators, pharmacists, paramedical and other health practitioners. Fall. Credit, 3 semester hours.

372. Health-Care Delivery Systems

Prerequisite: SOC 370 or permission of instructor.

An analysis of the structure and functioning of medical organizations and programs such as hospitals, private medical practice, health insurance, voluntary associations, professional associations, health maintenance organizations, and health system agencies. Fall of 1983-84 and alternate years. Credit, 3 semester hours.

373. Preventive Health Practices

Prerequisite: SOC 370 or permission of instructor.

A study of community problems and opportunities for health care and the social factors that mold health habits. Project development and implementation required. Spring. Credit, 4 semester hours.

74. Social Dimensions of Disease Transmission

Methods of conducting epidemiological investigations. Note: Equivalent to Principles of Epidemiology, sponsored by the Center for Disease Control, U.S. Public Health Service. Project development and implementation required. Fall of 1984-85 and alternate years. Credit, 4 semester hours.

75. Death, Dying, and Chronic Illness

Stages of personal adjustment to death. Dying as a social process. Therapy with the chronically and terminally ill. Social, economic, and psychological aspects of the funeral. The hospice is discussed. Field work is required. Fall. Credit, 4 semester hours.

76. Medical Ethics (PHI 376)

Prerequisite: SOC 370.

The same course as PHI 376. Credit, 3 semester hours.

77. Drug Use and Abuse

Prerequisite: SOC 370 or permission of instructor.

A study of the types and function of pharmaceutical treatments. Drug addiction is analyzed as a social, psychological, and biological process. Spring. Credit, 3 semester hours.

Depending upon career objectives, other sociology courses such as "Client Contact" (and courses in other departments such as Biology, Physical Science and Business Administration) could be an important part of preparation for a career in health care.

Each student interested in Medical Sociology should see his advisor regularly in order to plan an individualized program of study.

Any students interested in pursuing graduate studies in Public Health Administration or Health Education should see the Medical Sociology faculty advisor for a suggested program of study.

Social Work**5. Human Behavior and Social Environment**

Behavior in the socio-cultural psychological and biological contexts which determine life-cycle development and behavior. Human functioning in the social environment. Fall. Credit, 3 semester hours.

6. Introduction to Social Work

Historical and current overview of the social welfare system, and the field of social work. Basic social work concepts. Social welfare structure and services. Social work interventive methods. Fall. Credit, 3 semester hours.

8. Social Welfare Policies and Programs

Prerequisite: SOC 346.

Process of policy-making, programming and planning. Social, cultural, economic and political influences on the social welfare system. Spring. Credit, 3 semester hours.

380. Client Contact in Social Work I

Prerequisite: SOC 346.

Social work methods for serving individuals, groups and communities. Fall. Credit, 3 semester hours.

383. Child Welfare Services

Prerequisite: SOC 346 is recommended.

Historical perspective on the development of our society's perception of children's needs. Current situation in social services for children. Fall. Credit, 3 semester hours.

384. Social Gerontology

Prerequisite: SOC 346 is recommended.

Problems and needs of the aged. Role of the social worker in planning and providing services. Analysis of existing programs. Students will be involved in the delivery of care to aged individuals. Spring. Credit, 3 semester hours.

385. Client Contact in Social Work II

Prerequisite: SOC 380.

A continuation of SOC 380. Spring. Credit, 3 semester hours.

403. Supervision in Human Service Organizations

Prerequisite: SOC 348.

A survey of administrative considerations such as manpower utilization, supervisor/worker interaction, and roles and functions of supervisors and workers. This course is suggested for students who presently are supervisors or expect to be in a supervisory position. As announced. Credit, 3 semester hours.

470. Introduction to Field Work

Prerequisite: SOC 348 and permission of instructor for social work placement; SOC 460 and permission of instructor for criminal justice placement.

Learning experience in social or criminal justice agency. Students will develop some competence in the skills and processes used in practice, and will relate theory to experiences in the field. SOC 470 requires that the student receive at least 150 clock hours of supervised field work. Note: Pass/Fail basis. Fall. Credit, 4 semester hours.

471. Advanced Field Work

Prerequisite: SOC 470.

A continuation of SOC 470. SOC 471 requires that the student receive at least 150 clock hours of supervised field work. Note: Pass/Fail basis. Spring. Credit, 4 semester hours.

Sociology 303, 391 and 459 are also considered part of the Social Work Program

IV. STUDENT-ORIGINATED STUDIES**397. Experiential Learning I**

See Department Chairman. Fall, Spring, Summer. Credit, 3 semester hours.

398. Directed Research I

Written acceptance by a supervising faculty member is required, based on the student's written proposal. A copy of the proposal, together with the faculty member's acceptance, is submitted for approval to the department chairman prior to registration. Fall, Spring, Summer. Credit, 1 semester hour.

399. Directed Research II

Same as above. Credit, 2 semester hours.

497. Experiential Learning II

See Department Chairman. Fall, Spring, and Summer. Credit, 3 semester hours.

499. Independent Study in Sociology

Prerequisite: Acceptance by the department member who will supervise, and approval by the department chairman. See p. 50.

Restriction: Limited to seniors majoring in sociology whose overall cumulative point average is 3.0 or better. A written proposal is required in advance of registration. Fall, Spring, Summer. Credit, 3 semester hours.



IX. Special Programs and Interdisciplinary Minors

AEROSPACE STUDIES

Directors: LT. COL. CHARLIE J. COLEMAN, JR.
CAPT. HOWARD E. SWIMS

OBJECTIVES

The objectives of the Aerospace Studies program are as follows:

1. To recruit, train and produce a highly qualified Air Force officer capable of performing effectively in an assigned Air Force specialty.
2. To provide a curriculum which is dynamic and responsive to the educational requirements of the Air Force junior officer.
3. To provide relevant pre-professional preparation for future Air Force officers in their freshman and sophomore years.
4. To provide relevant pre-professional preparation for future Air Force officers pursuing the Professional Officers' Course.
5. To stimulate the optimum development of military leadership among students through meaningful experience provided within a functional context.
6. To motivate students to pursue flying careers and to provide practical indoctrination in flight operations.

PROGRAM REQUIREMENTS

To be eligible for the General Military Course (GMC) each individual must:

1. Be a full-time student.
2. Be 14 years of age or older.
3. Be a U.S. citizen (there are provisions for aliens to participate in the GMC program).
4. Be of good moral character.
5. Meet University medical standards for admission to the institution.
6. Not have been disqualified by disenrollment from an officer training program.

To be eligible for the Professional Officers Course (POC), each individual must:

1. Be a full-time student and scheduled to receive a baccalaureate degree.
2. Be a U.S. citizen.
3. Be of good moral character.
4. Be certified Medically Qualified by appropriate Air Force medical authorities.
5. Be at least 17 years of age.
6. Successfully complete either GMC or equivalent training and a four-week Field Training Course.
7. Attain a minimum qualifying score on the Air Force Officers Qualification Test.

8. Have two academic years remaining when entering the POC.
9. Be in good academic standing.

PROGRAM

The General Military Course (GMC) is an introductory level course dealing with mission, organization and function of the U.S. Air Force, and with development of air power into a prime element of national security. The GMC is developmental in nature and is designed to motivate and prepare cadets for entry into the Professional Officers Course (POC). The standard GMC is a two-year course in Aerospace Studies (ARS). The first year is designated ARS 111 and 112 and the second year ARS 211 and 212. The GMC totals approximately 120 clock hours consisting of a suggested 60 hours of academics and 60 hours of Leadership Laboratory.

The POC subject matter includes a study of the United States armed forces' role in contemporary society, and the role of the professional officer as a member of society along with theoretical and applied leadership management and communicative skills. The POC is designed to prepare cadets for active duty as Air Force Officers. It is a two-year course of instruction in Aerospace Studies (ARS) and is normally designated ARS 311 and 312 for juniors and ARS 411 and 412 for seniors. The POC totals approximately 240 clock hours, i.e., 120 hours per year consisting of 90 hours of academic and 30 hours of Leadership Laboratory.

Leadership laboratory provides cadets with practical command and staff leadership experiences through performing various tasks within the framework of the organized Cadet Corps. Leadership Laboratory accounts for 20 hours of the 360 hours normally allocated to Aerospace Studies.

Field Training is an off-campus training program held at selected Air Force bases during the summer. A six-week camp is conducted for all students entering the Air Force ROTC two-year program. All other cadets attend a four-week encampment. The Flight Instruction Program is an integral part of the Air Force ROTC program. The course is offered to a limited number of highly qualified ROTC cadets who are within 12 months of established commissioning date.

Under the two-year program selected students may be enrolled in the POC provided they have two full years of college remaining, and after contemplating enrollment in this program should do so prior to completion of the sophomore year, to enter Field Training during the summer preceding the Fall semester of their junior year.

Uniforms and textbooks for Air Force ROTC are provided by the Federal Government. All students enrolled in the final two years of Air Force ROTC are under contract and receive a subsistence allowance of \$100.00 per month.

A limited number of selected students enrolled in the Air Force ROTC program may qualify for scholarships. All scholarships pay \$100.00 per month, tuition, and an annual textbook allowance.

During the four or six weeks of Field Training Program, all students receive pay and travel allowance.

Students may transfer credits received in other ROTC units established under the provisions of the National Defense Act. ROTC credits may be used as free electives. Prior to commissioning, a student must complete requirements for and receive a baccalaureate degree (or higher degree.) Each student must satisfactorily complete a course in mathematical reasoning prior to receipt of a commission; a list of these courses is available in the Aerospace Studies office.

Students enrolled in the program under a four year AFROTC Scholarship must satisfactorily complete a 3-credit hour course in English composition prior to the end of the GMC tenure, to maintain scholarship entitlements. GMC cadets receiving scholarships of less than four years duration will have two academic years from scholarship activation to complete the English composition requirement; English composition courses satisfying this requirement are listed in the Aerospace Studies office.

COURSES (ARS)

111. Aerospace Studies

This is the initial course of study in the four-year Air Force ROTC curriculum. This course is designed to familiarize the student with the mission, organization and doctrine of the U.S. Air Force and U.S. Strategic Offensive Forces. Corps Training provides the cadet with experience in executing drill movements, knowledge of customs and courtesies expected of an Air Force member, career opportunities in the Air Force, and the life of an Air Force Junior Officer. Fall. Credit, 1 semester hour.

112. Aerospace Studies

Study of U.S. Strategic Defensive Forces, U.S. General Purposes and Aerospace Support Forces including those of the Army, Navy, and Marines. Corps Training continues to stress basic fundamentals needed for the cadet to be capable of assuming and discharging his responsibilities in Air Force ROTC functions and as a professional officer. Spring. Credit, 1 semester hour.

211. Aerospace Studies

Study of the history of manned flight to the time that an independent Air Force was formed. The development of concepts and doctrine governing the employment of air power is emphasized. Corps Training places the student in leadership and teaching roles as a cadet non-commissioned officer, and include further study of the junior officer environment. Fall. Credit, 1 semester hour.

212. Aerospace Studies

Study of the major events involving air power from the Berlin airlift to the present. Emphasis on understanding the effects of technology on air power and how the nation's objectives are supported by air power. Preparation for Field Training is the objective of this course's Corps Training. Spring. Credit, 1 semester hour.

311. Aerospace Studies

An integrated management and leadership course emphasizing the individual as a manager in an Air Force milieu. Communication and group dynamics are covered to provide a foundation for development of the Junior Officer's professional skills as an Air Force Officer. Basic managerial processes involving decision-making, utilization of analytical aids in planning, organizing, communicating and controlling in a changing environment are emphasized as necessary professional concepts. Alternate Fall. Credit, 3 semester hours.

312. Aerospace Studies

An integrated management and leadership course emphasizing the individual as a leader in an Air Force milieu. This course presents multidimensional approaches to the leadership process. Organizational power, politics, managerial strategy and tactics, military justice and administrative law are discussed within the context of the military organization. Actual Air Force cases are used to enhance the learning and communication processes. Alternate Spring. Credit, 3 semester hours.

411. Aerospace Studies

This course is composed of academic and military training. The academic portion includes an examination of military professionalism, civil-military interaction, and the international and domestic environment affecting U.S. Defense Strategy. Within this structure, continuing attention is given to developing the communication skills required by Junior Officers. Leadership in military drill and command is practiced. Alternate Fall. Credit, 3 semester hours.

412. Aerospace Studies

This course studies Air Force Officer classification and assignments, strategy, and the management of conflicts, which include deterrence, arms limitation, limited wars and insurgency, the formulation and implementation of U.S. defense policy, organizational policymaking and case studies in policymaking. Continued military leadership opportunities are provided in the laboratory period. Alternate Spring. Credit, 3 semester hours.



MILITARY SCIENCE

Directors: LT. COL. RUDOLPH A. PITCHER
MAJOR HARVEY D. BIEN

The objectives of the Army ROTC Program are to attract, motivate, and prepare selected students to serve as commissioned officers in the active or reserve components of the Army; to provide a practical understanding of the concepts and principles of military science; to develop a strong sense of duty, honor, and country; to promote teamwork and individual fitness; and to develop an understanding of and appreciation for international relations and national security. Attainment of these objectives prepares students for commissioning, and establishes a solid foundation for their professional development and effective performance in the uniformed services or in civilian enterprise.

The Army ROTC Program is of modular construction and is composed of a Basic and an Advanced Course. Enrollment in the Basic Course is open to all full-time students, and it carries with it no obligation for military service. Completion of the Basic Course is a prerequisite for application to the Advanced Course. Prior military service, high school ROTC, or membership in a National Guard or Reserve unit may result in direct Advanced Course placement. Entrance into the Advanced Course is selective and is based on demonstrated performance and leadership potential. Students who satisfactorily complete the Advanced Course and graduate from the University are commissioned as Second Lieutenants.

COURSES (MSC)

BASIC COURSE

201. Studies in Decision Making

A study in progressive leadership concentrating on leadership models, personality and perceptual process. Contemporary and historical leadership problems (case studies) are analyzed from a leader's perspective. Fall. Credit, 3 semester hours.

202. Land Navigation and Tactics

An introductory course in land navigation and rifle squad organization, capabilities and tactics. Spring. Credit, 3 semester hours.

ADVANCED COURSES

301. Leadership Development

Prerequisite: Completion of ROTC Basic Course, Basic Camp or equivalent. Instruction is presented in the psychology and principles of leadership and management, emphasizing behavioral science approach. Cadets learn the fundamentals and techniques of military instruction/briefings to include effective writing, receive instruction in advanced land navigation, tactical communications systems, artillery, drill and ceremonies, and physical conditioning. Fall. Credit, 3 semester hours.

302. Unit Level Command Responsibilities

Prerequisite: Completion of MSC 301 or equivalent.

A study in leadership from the perspective of the Second Lieutenant concentrating on the coordination and execution of administrative and tactical command decisions. Laboratory periods concentrate on leadership development, physical training and selected presentations. Spring. Credit, 3 semester hours.

401. The American Military Experience

Prerequisite: Completion of MSC 301 or 302.

A survey of American Military History concentrating on the major factors and events which have influenced US foreign policy during periods of war and peace. Fall. Credit, 3 semester hours.

402. Advanced Leadership and Management

Prerequisite: Completion of MSC 401.

Studies in Military Staff organization and procedure. Topics essential to newly commissioned officers including an in-depth survey of the Military Justice System and courts-martial procedures. Practical application of leadership skills in dealing with supply and maintenance procedures. Students also are required to prepare and present military instruction to military science classes. Spring. Credit, 3 semester hours.

PERSONNEL AND ORGANIZATIONAL LEADERSHIP

Coordinators: CHANG H. CHO
MICHAEL BARRY O'BRIEN
KATHRYN K. RILEIGH

The Departments of Psychology, Business Administration, and Political Science offer an interdepartmental minor in Personnel and Organizational Leadership. This program is designed to provide the following competencies: 1) a theoretical understanding of the basic psychological processes that operate in work settings; 2) skill in establishing rapport with co-workers; 3) skill in assessing the qualifications and performance of others; 4) skill in managing and training others; and 5) a theoretical understanding of organizational structure and the forces that influence it.

COURSES

A. Psychology (9 hours)

PSY 104	Tactics and Strategies in Learning
PSY 216	Introduction to Social Psychology
PSY 315	Human Motivation
PSY 316	Psychology of Leadership
PSY 317	Psychology of Social Communication
PSY 350	Practicum in Applied Psychology
PSY 403	Introduction to Psychological Testing

B. Management/Administration (9 hours)

BUS 307	Principles of Management
BUS 308	Organizational Theory and Behavior
BUS 408	Personnel Management
BUS 466	Business Policy
ECN 407	Economics of Labor
PLS 210	Introduction to Public Administration
PLS 319	Public Policy and Analysis
PLS 360	Introductory Internship in Public Administration

A particular course cannot be used to satisfy the requirements of both a major and a minor at the same time.

Students majoring in any subject are eligible to participate in the Personnel and Organizational minor. Those who are interested should consult with the department chairman from Psychology, Business Administration, or Political Science. Since many courses in the minor have prerequisites that can be taken to meet Basic Studies requirements, early planning will be to the student's advantage.

CHANCELLOR'S SCHOLARS PROGRAM

Director: CHARLES R. JENKINS

CHANCELLOR'S SCHOLARS COUNCIL

ROBERT W. BROWN

JOHN E. REISSNER

KATHRYN K. RILEIGH

KATHRYN M. SULLIVAN

RUDY D. WILLIAMS

The Chancellor's Scholars Program promotes the scholarly growth of the outstanding students selected for the program by providing an enriching series of interdisciplinary seminars. Participation in the Chancellor's Scholars Program also allows the student to obtain a broad and solid general education and to select an existing major at the University that best meets individual career goals. The Chancellor's Scholars Program seminars emphasize both the open exchange of ideas in on-going discussions and the varied perspectives of guest speakers. They are intended to develop and employ the skills of students bringing exceptional experience, talent, and motivation to the program; as such, they demand the active contribution of all participants. Frequent reaction papers, and in the higher level, seminars increasing responsibilities for independent study, are expected within the program. The course offerings for the Chancellor's Scholars Program total 22 semester hours, and Chancellor's Scholars are expected to enroll in one Chancellor's Scholars Program course each semester. To graduate with the Chancellor's Scholars designation, the student must have completed the individualized Chancellor's Scholars Program designed for the student by the Chancellor's Scholars Council, including three semester hours devoted to the CSP Thesis/Project. The course offerings for the Chancellor's Scholars Program are:

COURSES (CSP)

100. **Current World Problems**

Analysis of selected contemporary events from the points of view of history, political science, psychology, geography, economics, philosophy, religion, and sociology, in the light of weekly world developments. Emphasis upon the appreciation and development of logic and style in critical thought in considering international and domestic conflicts, human rights and institutional effectiveness, freedom and responsibility, and resources, technology and the environment. Fall. Credit, 3 semester hours.

A Chancellor's Scholar will receive credit in Basic Studies for a course in Social Science.

200. **Great Cultural Epochs I**

Interdisciplinary examinations of cultures in selected epochs from prehistory to the Baroque Era. Illustrative works and ideas from literature, art, music, religion, and philosophy, studied to characterize each period and its contribution to humanity's self-understanding. Spring. Credit, 3 semester hours.

A Chancellor's Scholar will receive credit in Basic Studies for a course in Section (5) of Humanities.

201. Great Cultural Epochs II

Continuation of CSP 200, examining cultures in selected epochs from the Baroque to the present. Antecedents and consequences of some focal cultural themes chosen for the semester, e.g. naturalism in European literature, the experience of the American frontier, and the Philosophy of the Age of Enlightenment, and political and social upheaval in the French Revolution. Fall. Credit, 3 semester hours.

A Chancellor's Scholar will receive credit in Basic Studies for a course in Section (5) of Humanities.

225. Prospects of the Future

Exploration of possible future discoveries and their impact on society, with emphasis on some specific aspects or themes each year. A multidisciplinary approach will include projections about the natural sciences, and humanities, and emphasize correlations among trends in the various fields. Spring. Credit, 3 semester hours.

250. Structures of the Universe

Aspects of human understanding of the physical and mathematical universe, with focus on some specific aspects or themes each year. Historical and present-day theories, observation, and experiments, and the persons behind them. Ideas and philosophical aspects of evolving structures, and the concepts of time, distance, matter, energy, and light in these contexts. Ideas and uses of mathematics, through differential calculus. Fall. Credit, 3 semester hours.

A Chancellor's Scholar will receive credit in Basic Studies for a course in Section (4) of Natural Science and Mathematics.

275. Individual and Collective Man.

Human behavior, individually and collectively, as studied in the social and political sciences, and exemplified within some specific areas of consideration each year, e.g. war and peace research, social cooperation and conflict, the possibility of psychological manipulation, and the meaning of individual freedom. Spring. Credit, 3 semester hours.

A Chancellor's Scholar will receive credit in Basic Studies for a course in Social Science.

400. Research Methods and Prospectus

Preparation of a prospectus for the thesis or project, in consultation with an advisor. Group discussion on the methodology, standards and experience of research and criticism. Fall. Credit, 1 semester hour.

450. Scholars Thesis/Project

Preparation of a thesis or project in consultation with a faculty committee chosen by the student; presentation of the work in seminar. Independent study in the student's major is encouraged. Spring. Credit, 3 semester hours.



WORLD STUDIES

Coordinator: JOHN CHAY

Eighteen semester hours are required for the satisfactory completion of the minor in World Studies. Courses that fulfill the requirements of a student's major area of study cannot be applied toward this minor. The minor is divided into specified and elective courses.

COURSES (WLS)

Specified Courses (Select two)

200. World Cultural Geography (GGY 200)

Concept of culture applied to the human environment. Geographical variations and evolution resulting from interaction between cultural and physical processes. Culture and technological change. Population and migration. Cultural effects on perception of the environment. Spring. Credit, 3 semester hours.

251. Introduction to World Politics (PLS 251)

Prerequisite: PLS 100 or 101.

Analysis of politics and relations among nations: (1) sovereignty, (2) domestic jurisdiction, (3) status quo, (4) colonialism, (5) balance of power, (6) alliance and neutrality, (7) peaceful adjustment of disputes, (8) disarmament, (9) standards of international conduct, (10) economic development and political advancement of the developing countries. Fall, Spring. Credit, 3 semester hours.

450. Seminar in International and Intercultural Relations

Prerequisite: Approval of the Coordinator, World Studies Minor.

Research seminar to gain experience in formulating, designing, and implementing meaningful research projects in international and intercultural relations. A substantial paper will be prepared by the student and presented to the Seminar and World Studies faculty. Fall, Spring. Credit, 3 semester hours.

Elective Courses (Select four)

Courses must be selected by the student and approved by the Coordinator, and noted in the minor advisement file of the student. A minimum of 12 unduplicated semester hours will be chosen. Participating departments include:

- | | |
|-----------------------------|-------------------------|
| Biology | History |
| Communicative Arts | Political Science |
| Business Administration and | Philosophy and Religion |
| Economics | Sociology |
| Geography | |

X. Graduate Program

THE GRADUATE PROGRAM

Director: W. HOWARD DEAN

Pembroke State University offers a program of graduate studies leading to the Master of Arts in Education degree and graduate-level certification for Early Childhood Education teachers, Intermediate Education teachers, Supervisors and School Administrators. The graduate program was established in response to the needs of public school educators in this region of the state. The graduate program is planned as an outgrowth of its strong undergraduate programs in teacher education, which are fully accredited by the National Council for the Accreditation of Teacher-Education, the North Carolina State Department of Public Instruction, the Southern Association of Colleges and Schools, and the American Association of Colleges of Teacher Education.

ADMISSIONS

General Admission Requirements

For admission to a graduate degree program at Pembroke State University, the applicant must meet the following requirements:

1. each applicant must have a baccalaureate degree from a college or university of recognized standing;
2. the application for admission, official copies of transcripts of previous study, and other supporting documents should be submitted at least four weeks *prior* to the semester or summer session in which the applicant proposes to begin graduate study;
3. applicants must have a satisfactory undergraduate academic record and must meet at least one of the following minimum GPA (4.0 scale) requirements: have an overall GPA on all undergraduate work, or have a GPA of 3.0 in the undergraduate major, or have a GPA of 3.0 on all undergraduate work taken in the senior year;
4. applicants must submit an official report of satisfactory scores on the Miller Analogies Test or the Graduate Record Examination;
5. applicants must hold or be eligible to hold a North Carolina Class A teaching certificate appropriate for graduate study in the proposed field or a comparable certificate in another state;
6. three letters of recommendation from school officials, professors, or others qualified to evaluate the applicant's potential for graduate study (At least one of the letter of recommendation must come from the applicant's undergraduate major department);
7. other information such as a personal interview may be required.

Each student admitted to the graduate study program is immediately assigned an advisor by the Director of the Graduate Program. Members of the graduate faculty serve as graduate advisors, and advisors are assigned according to the graduate academic major. Graduate students are expected to meet with their advisor prior to enrollment to plan their program and to meet with their advisor periodically for further advisement.

SCHEDULE OF EXPENSES
GRADUATE PROGRAM
Regular Session

PER SEMESTER

Semester Hrs.	In-State	Out-of-State
3	\$101	\$ 496
6	141	734
9	291	1,082

(A returned check charge of \$5 will be levied on each returned check.)

FOR STUDENTS LIVING ON CAMPUS

Add: Room and Board	\$660	\$ 660
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SCHEDULE OF EXPENSES
GRADUATE PROGRAM
Summer Sessions
(Each five-week summer term)

Semester Hrs.	In-State	Out-of-State
3	\$ 78	\$ 342
6	132	660

(A returned check charge of \$5 will be levied on each returned check.)

FOR STUDENTS LIVING ON CAMPUS

Add: Room and Board	\$215	\$ 215
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STUDENT ACTIVITY FEE

The above charges include a mandatory activity fee which provides services; such as, infirmary, student center, student government, and gym fee.

RESIDENCE STATUS FOR TUITION PAYMENT

It is a long-standing practice of the State to require students who are not residents of the State to pay a higher rate of tuition than that charged North Carolina residents. To qualify for in-state tuition, the applicant must generally have lived in North Crolina for a minimum period of twelve months immediately prior to his or her enrollment in an institution of higher learning. During this twelve-month period, the applicant's presence in the State must constitute legal residence in accordance with the University's guidelines as

prescribed by the General Assembly. Copies of the applicable North Carolina law and institutional regulations which govern such classification determinations are available in the Office of Admissions for inspection upon request. The student requesting in-state residence is responsible for being familiar with the contents of these two documents. See p. 94 in the Admissions section for more detailed information regarding residency status.

REQUIREMENTS FOR THE MASTER'S DEGREE

Degree Requirements

1. Candidates for the Master of Arts in Education degree will be required to successfully complete a minimum of thirty semester hours of course work in accordance with the prescribed course of study.
 - a. A minimum of twenty-four semester hours of graduate credit must be earned in courses designed for graduate students (500 level courses).
 - b. If necessary, the remainder of a student's program of graduate studies may be composed of courses designated as senior-graduate courses (prescribed 400 level courses).
 - c. No more than three semester hours of graduate credit earned in workshops courses may be applied toward a Master's degree.
 - d. Courses numbered 500 and above are graduate courses with the following number system: EDN 500-510, courses in educational administration and supervision; EDN 511-535, courses in curriculum and instruction; EDN 550-555, courses in educational psychology; and EDN 560-570, courses in foundations and research (EDN 599, Independent Study). Additional graduate courses by departments for concentration development and related areas are also numbered 500 and above.
2. Residence credit

Candidates must have completed one semester of graduate residence at Pembroke State University. Graduate students may satisfy the residency requirement by being continuously enrolled and completing twelve semester hours of graduate study or by being intermittently enrolled and completing fifteen semester hours of graduate study.
3. Degree time limits

Graduate credit applied toward a Master's degree should have been completed within five years preceding the completion of the requirements for the degree.
4. Credits by transfer, extension or correspondence

The combined total of graduate credit earned in another recognized graduate school and through extension study and allowed by the Graduate Council to apply toward a Master's degree may not total more than six semester hours.

No credit applied toward a graduate degree may be obtained by correspondence study.

No graduate study credit earned at another recognized graduate school and transferred to Pembroke State University or no graduate study credit earned through extension will be allowed by the Graduate Council to apply toward meeting the residence requirement for a Master's degree.

5. Comprehensive examination

A candidate for the Master of Arts in Education degree, in addition to the regular examinations in courses taken for graduate credit, must pass a written comprehensive examination.

The comprehensive examination must be administered at least four weeks before the end of the semester in which the candidate expects to receive the degree but may be given earlier with the approval of the candidate, his advisor, and the Director of the Graduate Program.

If a thesis is written, the candidate must defend it before a committee consisting of the candidate's advisor as chairman, at least one representative from his major and one other graduate faculty member. The candidate's advisor, with the approval of the Director of the Graduate Program will assemble the committee and conduct the examination of the candidate on his thesis.

6. Thesis

A thesis may be accepted for the Master of Arts in Education degree.

Three to six semester hours of graduate credit in the student's major may be earned in preparation of the thesis and applied toward the requirements for a Master's degree.

A thesis project must be approved by the graduate student's advisor and by his thesis committee.

The advisor will supervise the preparation of the prospectus of the thesis, approve it, submit it to the graduate student's thesis committee for approval, direct the student in the preparation of the thesis, assemble and chair the committee for the oral examination of the student on his thesis, inform the student of the calendar dates when the final copies of the thesis are due in the Graduate Program Office, and inform him of the graduate studies program and University rules which apply.

A minimum of three copies of the thesis—the original and two copies, carbon or acceptable electrographic, (one for student, one for archives, one for circulation)—and an abstract must be in the hands of

the Director of the Graduate Program at least two weeks before the commencement at which the degree is to be conferred. Two of the copies must be bound and will be retained by the University. Binding will be arranged by the library and the student will be charged at actual cost.

7. Application for graduation

Application for graduation must be filed in the Office of the Director of the Graduate Program not later than four weeks after the beginning of the semester or the summer session in which the candidate expects to receive the degree.

8. Conferring of degrees

Candidates for the degree are required to be present at the commencement exercises in the prescribed dress.

Graduate Grading System

The grading system for the graduate studies program shall be as follows

A—Superior

B—Satisfactory

C—Poor

F—Failure

Inc.—Course work incomplete, must be removed within one year after the end of the course or the Inc. becomes an F.

WP—Withdrew passing

WF—Withdrew failing

T—Grade pending, used only for thesis research courses until the sequence of courses is completed.

A graduate student with an accumulation of nine semester hours of less than B quality work will be automatically eliminated as a candidate for a Master's degree.

A graduate student who makes an F will be eliminated as a candidate for a Master's degree except when it is recommended that he be accepted or continued as a candidate by a committee composed of his advisor and two other graduate faculty members and when the recommendation is approved by the Graduate Council.

PROGRAM OF STUDY

The Master of Arts in Education degree may be conferred upon a candidate for the degree who completes the prescribed program of work for the specialties described by the following curricula. Each program requires the successful completion of at least thirty semester hours of graduate study inclusive of course work and a thesis, if one is written, as planned and approved by his thesis committee.

1. Elementary Education (Early Childhood Education)

	Sem. Hrs.
a. Required Education Core: EDN 516, 519, 551, 556	12
b. Guided Electives from Education Emphasizing Early Childhood Education	9-12
c. Guided Electives from Appropriate 400 and 500 Level Courses in American Indian Studies, Art, Biology, Communicative Arts, Economics, Geology and Geography, Health, Physical Education and Recreation, History, Home Economics, Mathematics, Music, Philosophy and Religion, Physical Science, Psychology and Sociology	6-9
d. Thesis	0-6
e. Independent Study	0-3
TOTAL (minimum)	30
f. Prospectus	
(1) Required	12
(a) EDN 516 Curriculum Development (K-3)	
(b) EDN 519 Language Development and Reading in the Elementary School (K-3)	
(c) EDN 551 Diagnosis and Evaluation of Pupils and Programs (K-3)	
(d) EDN 566 Educational Research	
(2) Guided Electives from Education Emphasizing Early Childhood Education	9-12
(a) EDN 517 Arithmetic in the Elementary School (K-3)	
(b) EDN 518 Fine Arts in the Elementary School (K-3)	
(c) EDN 520 Science in the Elementary School (K-3)	
(d) EDN 521 Social Studies in the Elementary School (K-3)	
(e) EDN 524 Seminar: Trends and Issues in Elementary Education (K-3)	
(f) EDN 525 Practicum in Elementary Education (K-3)	
(g) EDN 534 Diagnosis and Correction of Reading Difficulties (K-3)	
(h) EDN 550 Advanced Educational Psychology	
(i) EDN 565 History and Philosophy of Education	
(3) Guided Electives from Appropriate 400 and 500 Level Courses in American Indian Studies, Art, Biology, Communicative Arts, Economics, Geology and Geography, Health, Physical Education and Recreation, History, Home Economics, Mathematics, Music, Philosophy and Religion, Physical Science, Political Science, Psychology and Sociology	6-9
(a) American Indian Studies: Appropriate 400 Level Courses	
(b) Art: Appropriate 400 Level Courses	
(c) Biology	
/1/ Appropriate 400 Level Courses	
/2/ BIO 512, Environmental Science	
(d) Communicative Arts: Appropriate 400 Level Courses	
(e) Economics	
/1/ Appropriate 400 Level Courses	
/2/ ECN 551, Economic Policies	

(f) Geology and Geography	
/1/ Appropriate 400 Level Courses	
/2/ GGY 503, Descriptive Regional Analysis	
/3/ GLY 501, Earth Science	
(g) Health, Physical Education and Recreation	
/1/ Appropriate 400 Level Courses	
/2/ HPE 505, Principles of Health and Physical Education	
(h) History	
/1/ Appropriate 400 Level Courses	
/2/ HST 510, Advanced North Carolina History	
(i) Home Economics: Appropriate 400 Level Courses	
(j) Mathematics: Appropriate 400 Level Courses	
(k) Music: Appropriate 400 Level Courses	
(l) Philosophy and Religion: Appropriate 400 Level Courses	
(m)Physical Science	
/1/ Appropriate 400 Level Courses	
/2/ PHS 520, CurrentTrends in Physical Science	
(n) Political Science	
/1/ Appropriate 400 Level Courses	
/2/ PLS 540, Systems of State and Local Government	
/3/ PLS 545, American Political Process	
(o) Psychology	
/1/ Appropriate 400 Level Courses	
/2/ PSY 525, Advanced Study of Human Growth and Development	
/3/ PSY 530, Psychology of Group Dynamics	
(p) Sociology	
/1/ Appropriate 400 Level Courses	
/2/ SOC 545, Cultural Differences and Education	
(4) Thesis	0-6
(5) Independent Study	<u>0-3</u>
TOTAL (minimum)	30

2. Elementary Education (Intermediate Education)

	Sem. Hi
a. Required Education Core	12
(1) EDN 516 Curriculum Development (4-9)	
(2) EDN 519 Language Development and Reading in the Elementary School (4-9)	
(3) EDN 551 Diagnosis and Evaluaton of Pupils and programs (4-9)	
(4) EDN 556 Educational Research	
b. Guided Electives from the Subject Matter Areas of Art, Education, Health and Physical Education, Language Arts, Mathematics, Music, Reading, Science, Social Studies, Special Education, and Speech and Drama	12-18
Study in these areas should represent an extension of the undergraduate areas of concentration. Candidates may choose one twelve hour area of concentration with six hours of related electives, or two areas of concentration consisting of nine hours each.	

- (1) Twelve semester hour concentrations with six semester hours of related electives are available in:
- (a) Language Arts
 - /1/ Two appropriate 400 level courses from Communicative Arts plus
 - /2/ EDN 519, 529, and 532 plus
 - /3/ EDN 528 or 534 or 599
 - (b) Reading
 - /1/ One appropriate 400 level course from Education plus
 - /2/ EDN 519, 529 and 532 plus
 - /3/ EDN 528 or 534 or 599
 - (c) Science
 - /1/ Two appropriate 400 level courses from Biology and/or Geology and/or Physical Science plus
 - /2/ EDN 520 plus
 - /3/ BIO 512 or EDN 599 plus
 - /4/ GLY 501 or EDN 599 plus
 - /5/ PHS 520 or EDN 599
 - (d) Social Studies
 - /1/ Two appropriate 400 level courses from Economics and/or History and/or Political Science and/or Sociology plus
 - /2/ EDN 521 plus
 - /3/ ECN 551 or EDN 599 plus
 - /4/ HST 510 or EDN 599 plus
 - /5/ PLS 540 or 545 or EDN 599 plus
 - /6/ SOC 545 or EDN 599
- (2) Nine semester hour concentrations are available as follows: however, if the student has selected two nine semester hour concentrations instead of one eighteen semester hour concentration, one of the concentrations must include at least three semester hours credit for EDN 599.
- (a) Art
 - /1/ Two appropriate 400 level courses from Art plus
 - /2/ EDN 518
 - (b) Health and Physical Education
 - /1/ Two appropriate 400 level courses from Health and Physical Education plus
 - /2/ HPE 505
 - (c) Language Arts
 - /1/ Two appropriate 400 level courses from Communicative Arts plus EDN 519 or EDN 599; or
 - /2/ EDN 519, 529, 532, or 599
 - (d) Mathematics
 - /1/ Two appropriate 400 level courses from Mathematics plus
 - /2/ EDN 517
 - (e) Music
 - /1/ Two appropriate 400 level courses from Music plus
 - /2/ EDN 518

(f) Reading	
/1/ EDN 519, 529, or 527 or 532, and 534, or	
/2/ EDN 529 or 527 or 532, 534, and 528	
(g) Science	
/1/ Two appropriate 400 level courses from Biology and/or Geology and/or Physical Science plus EDN 520 or 599; or	
/2/ Two of the following three courses: BIO 512, GLY 501, and PHS 520, plus EDN 520 or 599	
(h) Social Studies	
/1/ Two appropriate 400 level courses from Economics and/or History and/or Political Science and/or Sociology, plus EDN 521 and 599; or	
/2/ Two of the following courses: ECN 551; HST 510; PLS 535, 540, 545; SOC 545; plus EDN 521 or 599	
(i) Special Education	
/1/ Two appropriate 400 level courses from Special Education plus	
/2/ EDN 512	
(j) Speech and Drama	
/1/ Two appropriate 400 level courses from Communicative Arts plus	
/2/ EDN 518	
c. Thesis	0-6
d. Independent Study	<u>0-3</u>
TOTAL (minimum)	30

3. Educational Administration and Supervision
(Administration)

	Sem. Hr
a. Required Education Core: EDN 500, 501, 502, 506, 516, and 566	18
b. Guided Elective from Educational Psychology or Psychology	3
c. Guided Electives from Economics, Geography, History, Political Science, Psychology, and Sociology	3-9
d. Guided Electives in Subject Matter or Professional Education	3-9
e. Thesis	0-6
f. Independent Study	<u>0-3</u>
TOTAL (minimum)	30
g. Prospectus	
(1) Required	18
(a) EDN 500 Educational Leadership	
(b) EDN 501 Principles of Supervision	
(c) EDN 502 Legal Structures in Education	
(d) EDN 506 Internship and Seminar in Administration	
(e) EDN 516 Curriculum Development	
(f) EDN 566 Educational Research	
(2) Guided Elective from Educational Psychology or Psychology	0-3
(a) EDN 550 Advanced Educational Psychology	
(b) PSY 530 Psychology of Group Dynamics	
(c) PSY 525 Advanced Study of Human Growth and Development	

(3) Guided Electives from Business Administration, Economics Geography, History, Political Science, Psychology, Sociology and appropriate (400-500) level courses from the graduate programs of study	3-9
(a) ECN 551 Economic Policies	
(b) GGY 503 Descriptive Regional Analysis	
(c) PLS 535 Advanced Public Administration	
(d) PLS 540 Systems of State and Local Government	
(e) PLS 545 American Political Process	
(f) Appropriate (400-500) level courses from the graduate programs of study	
(4) Guided Electives in Subject Matter or Professional Education	3-9
(a) EDN 503 School Finance	
(b) BUS 408 Personnel Management	
(c) EDN 505 School Facilities	
(d) EDN 551 Diagnosis and Evaluaton of Pupils and Programs	
(e) EDN 565 History and Philosophy of Education	
(f) Appropriate (400) level courses from the programs of study	
(g) Appropriate (500) level courses from the graduate programs of study	
(5) Thesis	0-6
(6) Independent Study	<u>0-3</u>
TOTAL (minimum)	30

4. Educational Administration and Supervision (Supervision)

	Sem. Hrs.
a. Required Education Core: EDN 500, 501, 502, 507, 516, and 566	18
b. Guided Electives in Educational Psychology and Psychology	3-6
c. Guided Electives in Fine Arts, Geography, Language Arts, English, Mathematics, Science, Social Sciences, and Subject Related Electives in Education	9-12
d. Thesis	0-6
e. Independent Study	<u>0-3</u>
TOTAL (minimum)	30
f. Prospectus	
(1) Required	18
(a) EDN 500 Educational Leadership	
(b) EDN 501 Principles of Supervision	
(c) EDN 502 Legal Structures in Education	
(d) EDN 507 Internship and Seminar in Supervision	
(e) EDN 516 Curriculum Development	
(f) EDN 566 Educational Research	
(2) Guided Electives from Educational Psychology and Psychology	3-6
(a) EDN 550 Advanced Educational Psychology	
(b) EDN 551 Diagnosis and Evaluation of Pupils and Programs	

(c) PSY 530	Psychology of Group Dynamics	
(d) PSY 525	Advanced Study of Human Growth and Development	
(3)	Guided Electives in Fine Arts, Geography, Language Arts, English, Mathematics, Science, Social Science, Subject Related Electives in Education, and appropriate (400-500) level courses from the graduate programs of study	9-12
(a) EDN 517	Arithmetic in the Elementary School	
(b) EDN 518	Fine Arts in the Elementary School	
(c) EDN 519	Language Development and Reading in the Elementary School	
(d) EDN 520	Science in the Elementary School	
(e) EDN 521	Social Sciences in the Elementary School	
(f) BUS 408	Personnel Management	
(g) EDN 565	History and Philosophy of Education	
(h)	Appropriate (400-500) level courses from the graduate programs of study	
(4)	Thesis	0-6
(5)	Independent Study	0-3
TOTAL (minimum)		30

COURSE DESCRIPTIONS

1. EDUCATION DEPARTMENT (EDN)

a. Curriculum and Instruction

Note: Wherever the symbol (K-3; 4-9) appears it will mean that the course emphasis will be on early childhood education or intermediate education in accordance with the certification sought by the student.

512. **Advanced Study of Exceptionality in Children**
Advanced study of exceptionality in the school-age population including in-depth research and reporting on at least one of the types of exceptionality.
516. **Curriculum Development**
Principles, techniques, trends and innovations which have emerged in the field of curriculum construction and revision. Implications of basic social, philosophical, and psychological factors in curriculum planning and organization historical background; techniques of curriculum planning and development The student will acquire competency in the employment of techniques and practices to improve instruction, such as core curriculum, culture epochs correlation of subject matter, and unit construction.
517. **Arithmetic in the Elementary School (K-3; 4-9)**
A study of the origin of development of the fundamental operations and of the number system of modern mathematics with particular emphasis on the theory of rational integers, divisibility, and the simpler properties of prime numbers Emphasis will be given to research dealing with problems, methods, and content of modern mathematics instruction.

18. Fine Arts in the Elementary School (K-3; 4-9)

A course designed to acquaint the graduate student with the philosophy, trends, and practices of a general fine arts program in the public school curriculum. Lecture and laboratory.

19. Language Development and Reading in the Elementary School (K-3; 4-9)

Development of a dynamic language arts program tied into the total background and school experience of the child. The program will include the total language arts program in its various interrelationships. Included are the interactions of children of all ages, the child's search for appropriate linguistic construction, and writing and reading developed through growing perceptual skills and tied to the developing vocabularies of individual children. Listening, speaking, discussing, spelling, writing, and reading through choice and involvement.

20. Science in the Elementary School (K-3; 4-9)

A combination of subject matter, materials, and methods for teaching science in the elementary school.

21. Social Studies in the Elementary School (K-3; 4-9)

An overview of the total program in social studies education for children in early childhood and intermediate age groups. Emphasis given to content, materials, and methods of teaching the social studies.

24. Seminar: Trends and Issues in Elementary Education (K-3; 4-9)

A research seminar in which students and professor explore together the trends and issues evident in elementary education. Students will investigate, discuss, and present their findings, and prepare a written analysis of their research.

25. Practicum in Elementary Education (K-3; 4-9)

Students will experiment with innovation practices and procedures in the classroom in consultation with and supervision by college personnel. Results and conclusions will be discussed and evaluated and reported in a major term paper.

27. Practicum in Reading Instruction

Designed for the graduate student with previous teaching experience and who is interested in pursuing research in the area of reading.

28. Planning the School's Reading Program

A study and evaluation of selected curricula and programs in reading and the planning of a total school reading program.

29. Problems in the Investigation of Reading Instruction

Investigations are made of the literature and research dealing with the teaching of reading in the elementary and secondary classrooms. The course includes a critical examination of the scientific studies, the nature of the reading act, and factors that facilitate effective reading instruction.

32. Seminar: Reading Problems

This course is designed for the classroom teacher, principal, supervisor, or reading teacher. It is intended to serve as a problems course in which the needs, interests and concerns of the students will be considered in the selection of topics to be studied and the emphasis given to the different topics.

534. Diagnosis and Correlation of Reading Difficulties (K-3; 4-9)

This course will assist the teacher of reading in locating causes of reading difficulties and prescribing corrective procedures. It is designed to give the classroom teacher practical application of methods in solving reading problems. It will include sample lessons and demonstration of remedial methods.

b. Educational Administration and Supervision**500. Educational Leadership**

Required of candidates of the Master of Arts in Education degree who are preparing for certification as principals or supervisors. Emphasis is given to educational purposes, school program development, group leadership functions, management of school facilities, community-school interaction, and intra-school and interschool coordination.

501. Principles of Supervision

Analysis of issues, problems, and practices in supervision of instruction. Development and synthesis of a conceptual structure for guiding group processes and individual leadership behavior in curriculum research and development, in service education, and evaluation of teaching and learning.

502. Legal Structures in Education

Constitutional, statutory, and case law bases of educational administration; study of legal provisions and principles relating to education of all levels. Includes research and analysis of laws dealing with pertinent educational topics.

503. School Finance

Problems relating to financing public education; theory of taxation, types of taxes; current practices of educational finance; federal, state and local support of education; formulas for distribution of school aids; budget; procuring revenue; financial capital outlays. Financing school plant construction maintenance of the plant; insurance of property; taking inventory; and school supplies. Includes the construction of a school budget.

505. School Facilities

Study of the problems involved in financing the construction of school facilities; the procurement of architectural services, the cooperative development of educational specifications, and the construction of school facilities. Includes the management of school facilities for maximum and optimal use; planning for equipment acquisition, circulation and maintenance; and the analysis of the facilities problems of schools and school systems.

506, 507 Internship and Seminar in Administration and/or Supervision

The internship is a significant part of the Master's program in Administration and Supervision, involving experiences under the supervision of a selected professional practitioner chosen for the internship. The internship is coordinated by a University faculty member. Plans for the internship must be made in advance with the faculty advisor, after appropriate course work, and in terms of available practicum opportunities in instructive and administrative aspects of an individual school and/or school system and approved by the Office of the Graduate program.

c. Educational Psychology**50. Advanced Educational Psychology**

Prerequisites: Introduction to educational psychology and the psychology of early childhood, or adolescence.

A course designed especially for teachers, supervisors, and administrators reviewing modern principles of educational psychology, with particular attention to theories of learning, individual differences, assessment of behavior, personal and social adjustment, and their application to problems of school learning at any level of responsibility.

51. Diagnosis and Evaluation of Pupils and Programs

Use and interpretation of teacher-made and standardized tests for the diagnosis, prescription, implementation, evaluation, and improvement of classroom instruction in elementary and secondary schools. Emphasis is given to the determination of instructional objectives; test construction, administration, and scoring; and the analysis and use of scores for individualized instruction, program planning, grouping, and grade assignment. The course also includes the study of the simple statistics of test construction and interpretation.

d. Foundations and Research**52. Sociological Foundations of Education**

Contemporary social problems and subcultures which relate to patterns of public education. A sociological analysis of the nature of the school and its impact on the community and on patterns of instruction. Anthropological and sociological materials will be employed.

53. History and Philosophy of Education

Traces the history of educational thought and practice in the western world from ancient times to the present. Included are analysis and interpretation of important elements of modern education derived from leading philosophies throughout history.

54. Educational Research

Required of all candidates for the Master of Arts in Education degree. Emphasis is given to research design and methods in education, the reading of statistical terminology in professional literature, and the interpretation and application of educational research. Use of library resources, evaluation of educational research, and an introduction to elementary statistics are included.

55. Independent Study

An independent study of the problems and issues of education relevant to the student's major study area or areas of concentration carried out by the student at the University and in the field under the supervision of his major advisor.

2. ADDITIONAL COURSES BY DEPARTMENTS FOR CONCENTRATION DEVELOPMENT AND RELATED AREAS

a. Biology Department (BIO)

512. Environmental Science

Studies of air, soil and water pollution, including work being undertaken to remedy these problems; wildlife and soil conservation; and human ecology particularly as related to the population problems of the world today.

b. Business Administration and Economics Department (ECN)

551. Economic Policies

This course provides a comprehensive survey of the most significant relationships between the government sector and other parts of the American economy. Topics discussed include the following: Types of government, the nature of the private enterprise system and the role of government therein, the legal background for government action, the effects of politics and pressure policies for economic growth, the problem of inflation, public and private debt, taxation, farm policy, labor legislation, consumer interests, conservation of natural resources, social security, foreign economic policy, and national defense. Significant current events and developments in economic policy are discussed as they occur.

c. Geology (GLY) and Geography (GGY) Department

501. Earth Science (GLY)

Advanced study of the processes that control the seasons, the atmosphere, the weather, the wind systems of the world, the oceans, volcanic activity, earthquakes, and the formation of rocks and minerals.

503. Descriptive Regional Analysis (GGY)

Qualitative definition of geographical regions in the light of human interest. Physical, biotic, demographic and socio-cultural determinants; the relevance of regional factors for planning and policy issues in education, government, the economy, and the general welfare.

d. Health and Physical Education Department (HPE)

505. Principles of Health and Physical Education

Designed to acquaint students with the philosophy, the aims, the objectives, the principles, and the practices of an effective health and physical education program in the public schools.

e. History Department (HST)

510. Advanced North Carolina History

An advanced study of the development of North Carolina from colonial beginnings to the present.

f. Physical Science Department (PHS)

520. Current Trends in Physical Science

A lecture-discussion presentation of current developments and trends in chemistry and physics.

g. Political Science Department (PLS)**535. Advanced Public Administration**

Emphasis is given to critical examination and analysis of principles, behavior, and problems and issues of public organization, management, and responsibility in the context of the American political system.

540. Systems of State and Local Government

Systematic survey of municipal, county, special district, and state governments, with special emphasis on critical examination of their roles and problems in the decision-making process of respective political subdivisions.

545. American Political Process

Examination of American political and governmental institutions and analysis of their process, relationship, and roles in the dynamics of the political system.

h. Psychology Department (PSY)**525. Advanced Study of Human Growth and Development**

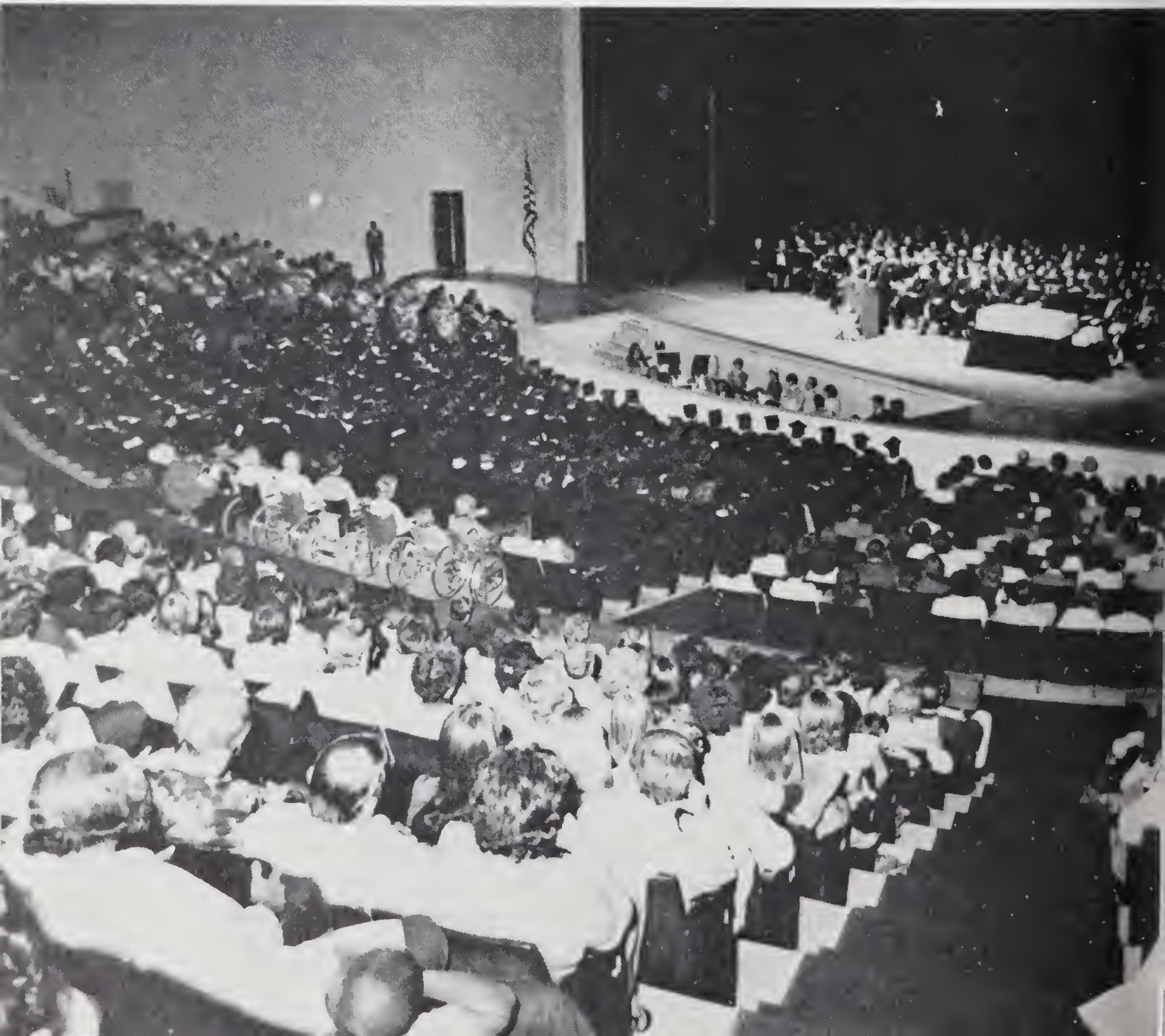
An exploration in-depth into developmental theory coupled with intensive study through observation and research of the age level most appropriate to the credential sought. There will be a basic test on developmental theory to provide a common core. This will be supplemented by extensive related reading and other appropriate activities.

530. Psychology of Group Dynamics

This course will deal with the dynamics of interpersonal relationships within small groups. Emphasis will be on the person's perception of himself in relation to the group and the group's perception and reaction to the individual member. Theoretical and practical case studies will be investigated. Role playing will be emphasized.

i. Sociology Department (SOC)**545. Cultural Differences and Education**

Sociological analysis of the educator's problems of insight and judgment when dealing with students, parents, townspeople, or colleagues who come from different cultural backgrounds; specific focus upon the problems of ethnocentrism as encountered by classroom teachers and administrators; explanation of teaching situations in terms of culture theory and crosscultural communication.



The Faculty

THE FACULTY

The listing that follows includes full-time members of the faculty and administrative officers who hold faculty rank and/or who teach. The date indicated is the year of initial appointment.

GEORGE T. AMMONS (1965), *Assistant Professor, Department of Business Administration and Economics*

B.S., UNC-Chapel Hill; CPA, State of North Carolina

CHARLES D. BASS (1971), *Associate Professor and Chairman, Department of Mathematics*

B.S., B.A., Carson-Newman College, Ph.D., University of Tennessee

RAY VON BEATTY (1972), *Assistant Professor, Department of Psychology, Director of Guidance and Testing Center*

B.S., Pembroke State University; M.Ed., Ph.D., UNC-Chapel Hill

PAUL J. BERGHOFF (1975), *Associate Professor, Department of Education*

B.A., M.A., Ph.D., University of Michigan

HARVEY D. BIEN (1980), *Assistant Professor, Military Science Program (Army ROTC)*

B.A., University of Mississippi

OLLIE G. BISHOP (1981), *Instructor, Department of Business Administration and Economics*

B.S., Pembroke State University; M.B.A., UNC-Chapel Hill

ELEANOR BLAKELY (1979), *Instructor, Department of Sociology*

B.A., Salem College; M.S.S.W., University of Louisville

GERALD L. BLAKELY, *Lecturer, Department of Business Administration and Economics*

B.S., Centre College of Kentucky; M.B.A., University of Louisville

**GERALD C. BORLAND (1968), *Professor Emeritus, Department of Geology and Geography*

B.A., Pennsylvania State University; M.S., University of Arizona

JOHN R. BOWMAN (1979), *Instructor, Department of Sociology*

B.A., University of Kentucky; M.S., Florida State University

MARY P. BOYLES (1977), *Assistant Professor, Department of Communicative Arts; Director of Developmental Learning Programs*

A.B., Ph.D., UNC—Greensboro; M.A., UNC-Chapel Hill

ROBERT F. BRITT (1960), *Professor and Chairman, Department of Biology*

A.B., M.A., Ph.D., UNC-Chapel Hill

ROBERT W. BROWN (1979), *Assistant Professor, Department of History*

B.A., UNC-Chapel Hill; M.A., Marshall University; M.A., Ph.D., Duke University

ELLEN JANE BRYAN (1970), *Associate Professor, Department of Health, Physical Education and Recreation*

B.S., Pembroke State University; M.A.E., East Carolina University; D.A., Middle Tennessee State University

WILLIAM ROBERT BULLARD, JR. (1966), *Assistant Professor, Department of History*

B.A., St. Andrews Presbyterian College; M.A., UNC-Chapel Hill

- LOREN L. BUTLER II (1966), *Assistant Professor, Department of History*
B.A., M.A., University of Arkansas
- MARY M. BUXTON (1977), *Assistant Professor, Department of Education*
B.S., M.A., Appalachian State University; Ed.D., Ball State University
- JAMES T. CAMPEN (1982), *Lecturer, Department of Business Administration and Economics*
B.S., Hampden-Sydney College; Ph.D., University of Tennessee
- *OTIS G. CARNES (1959), *Professor Emeritus, Departments of Philosophy and Religion and Communicative Arts*
B.A., Stephen F. Austin College; B.D., Yale University; Th.D., Boston University
- JAMES B. CHAVIS (1972), *Assistant Professor and Vice Chancellor for Student Affairs*
B.S., Pembroke State University; M.A.Ed., East Carolina University; Ed.D., Duke University
- JOHN CHAY (1969), *Professor and Chairman, Department of History*
A.B., M.A., M.A.L.S., Ph.D., The University of Michigan
- CHANG H. CHO (1968), *Professor and Chairman, Department of Political Science*
LL.B., Yonsei University; M.A., American University; D.P.A., George Washington University
- ANNIE H. COATES (1973), *Lecturer, Department of Business Administration and Economics*
B.S., St. Andrews Presbyterian College; M.A.Ed., University of Georgia
- CHARLIE J. COLEMAN, JR., (1981), *Professor, Aerospace Studies Program (AFROTC)*
B.S., Talladega College; M.S. Air Force Institute of Technology
- RHODA P. COLLINS (1967), *Professor, Department of Education*
B.A., M.Ed., UNC-Chapel Hill; Ed.D., Duke University
- EDWIN W. CRAIN (1965), *Professor, Department of Health, Physical Education and Recreation*
B.S., M.A., Appalachian State University; Ed.D., West Virginia University
- JOSE J. D'ARRUDA (1974), *Professor, Department of Physical Science*
B.S., Lowell Technological Institute; M.S., Ph.D., University of Delaware
- WILLIAM H. DEAN (1968), *Professor, Department of Education; Director of Graduate Studies*
B.S., M.A., East Carolina University; Ed.D., West Virginia University
- ROBERT A. DELGROSSO (1978), *Instructor, Department of Political Science*
B.A., Fordham University; M.A.
- BONNIE LOUISE DEUTSCH (1981), *Instructor, Department of Art*
B.F.A., Pratt Institute; M.Ed., D.Ed., The Pennsylvania State University
- ADOLPH L. DIAL (1958), *Associate Professor and Chairman, Department of American Indian Studies*
B.A., Pembroke State University; Ed.M., C.A.G.S., Boston University
- BEN JAY DRYMON (1977), *Associate Professor, Department of Education and Director of Student Teaching*
B.S., Davidson College; M.Ed., Ph.D., UNC-Chapel Hill

- ALBERT D. DUNAVAN (1965), *Associate Professor, Department of Communicative Arts*
B.S., M.A., University of Nebraska
- JAMES B. EBERT (1956), *Associate Professor, Department of Biology*
B.S., Louisiana State University and A & M College; A.M., Duke University
- CARLETTA T. EDWARDS (1970), *Assistant Professor, Periodicals Librarian*
B.A., M.S.L.S., North Carolina Central University
- DAVID K. ELIADES (1967), *Assistant Professor, Department of History*
A.B., UNC-Chapel Hill; M.A., East Carolina University; Ph.D., University of South Carolina
- HAROLD T. ELLEN (1967), *Assistant Professor, Department of Health, Physical Education and Recreation and Baseball Coach*
A.B., Elon College; M.A., East Carolina University
- BILLIE F. EVANS (1967), *Assistant Professor and Assistant Director of Library Technical Services*
B.S., East Carolina University; M.S. Appalachian State University
- JAMES S. FARMER (1957), *Associate Professor, Department of Communicative Arts*
B.A., M.A., UNC-Chapel Hill
- MARJORIE L. FARMER (1965), *Assistant Professor, Department of Communicative Arts*
B.A., Tift College, M.A., UNC-Chapel Hill
- CARL M. FISHER (1967), *Professor, Department of Education*
B.S., M.S., Ph.D., Florida State University
- PAUL K. FREIWIRTH (1962), *Professor, Department of History*
Th.D., Atlantic Union College; M.A., Potomac University; Ph.D., University of Maryland
- WILLIAM F. FRITZ (1974), *Assistant Professor, Department of Music*
B.M., California Institute of the Arts; M.A., California State University
- LACEY E. GANE (1965), *Associate Professor, Department of Health, Physical Education and Recreation; Director of Athletics*
B.A., Elon College; Ed.M., UNC-Greensboro
- GRACE E. GIBSON (1966), *Assistant Professor, Department of Communicative Arts*
B.A., UNC-Greensboro; M.A., Duke University
- PAUL R. GIVENS (1979), *Chancellor*
B.A., M.A., George Peabody College; Ph.D., Vanderbilt University
- JOSEPH W. GOLDSTON (1977), *Associate Professor, Department of Mathematics*
B.S., M.S., Ph.D., UNC-Chapel Hill
- GIBSON H. GRAY (1971), *Professor and Acting Chairman, Department of Political Science*
B.B.A., University of Texas; M.A., Ph.D., Columbia University
- MAGNOLIA O. GRIFFITH (1970), *Assistant Professor, Department of Business Administration and Economics*
B.S., M.A., Appalachian State University

- ROBERT K. GUSTAFSON (1969), *Professor and Chairman, Department of Philosophy and Religion*
B.A., University of California; M.Div., Th.M., Th.D., Union Theological Seminary
- GEORGE L. HARPER (1976), *Assistant Professor, Department of Philosophy and Religion*
B.A., Randolph Macon College; M.Div., Yale University; Ph.D., Duke University
- PAUL B. HERRICK, JR. (1978), *Assistant Professor, Department of Political Science*
B.A., Denison University; M.A., Northwestern University; Ph.D., Tulane University
- ROBERT C. HERSCH (1980), *Associate Professor and Director of Library Services*
B.A., SUNY-Binghamton; M.A., Ph.D., New York University; M.L.S., George Peabody College
- JAMES F. HUBBARD (1965), *Associate Professor, Department of Psychology*
B.A., M.A., University of Richmond; B.D., Union Theological Seminary; Th.M. Pittsburgh Theological Seminary
- *JAMES A. JACOBS (1937), *Professor Emeritus, Department of Mathematics*
B.S., Murray State College; Ed.M., Duke University
- CHARLES R. JENKINS (1971), *Associate Professor, Department of Education and Academic Dean*
B.S., M.A.E., East Carolina University; Ed.D., Duke University
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- NORMAN R. LAYNE, JR. (1977), *Assistant Professor, Department of Sociology*
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- **LOIS B. LEWIS (1963), *Professor Emeritus, Department of Communicative Arts*
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- DONALD R. LITTLE (1974), *Associate Professor, Department of Education*
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B.S., M.A., *Ohio State University*
- GARY R. RASSEL (1981), *Assistant Professor, Department of Political Science*
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- HOWARD SWIMS (1981), *Assistant Professor, Aerospace Studies Program (AFROTC)*
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- WILLIAM P. TURNER (1978), *Professor, Department of History*
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- PAUL VAN ZANDT (1969), *Associate Professor and Chairman, Department of Art*
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- RICHARD R. VELA (1981), *Instructor, Department of Communicative Arts*
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- JOHN S. WALLINGFORD (1970), *Professor and Chairman, Department of Physical Science*
B.Phys., M.Ed., University of Minnesota; M.S., Ph.D., Florida State University
- WALTER R. GEORGE (1967), *Associate Professor, Department of Music*
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- MAUDE ANN WEBB (1967), *Assistant Professor, Department of Health, Physical Education and Recreation; Coordinator of Women's Athletics and Tennis Coach*
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- DEAN WILLIAMS (1980), *Assistant Professor and Assistant Director of Library Public Services*
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*On Leave for 1981-82 Academic Year

**Professor Emeritus

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- DEXTER BROOKS (1977), *Part-Time Lecturer, Department of Business Administration and Economics*
B.S., M.S., North Carolina State University; J.D., UNC-Chapel Hill
- JAMES BRANCH (1981), *Part-Time Lecturer, Department of Health, Physical Education and Recreation*
Dive Master
- GARY L. LOCKLEAR (1980), *Part-Time Lecturer, Department of Business Administration and Economics*
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- VON S. LOCKLEAR (1981), *Part-Time Lecturer, Department of Sociology*
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VINCENT W. WINNIES (1980), *Part-Time Lecturer, Department of Music*

B.S. Pembroke State University

SUMMARY OF ENROLLMENT 1981-82

SUMMER SESSION, 1981

First Term	1056
Second Term	815
Total number enrolled	1871

FALL SEMESTER, 1981-82

Freshmen	603
Sophomores	476
Juniors	413
Seniors	429
Special	87
Graduate	179
Total number enrolled	2187

SPRING SEMESTER, 1981-80

Freshmen	513
Sophomores	421
Juniors	459
Seniors	403
Special	99
Graduate	183
Total number enrolled	2078

DEGREES CONFERRED, May, 1981

Bachelor of Science and Applied Science	8
Bachelor of Science	253
Bachelor of Arts	118
Master of Arts	47
Total number of degrees conferred	426

PEMBROKE STATE

UNIVERSITY ENROLLMENT

Men	925
Women	1262
GRAND TOTAL	2301

ENROLLMENT BY STATE

Florida	5
Indiana	4
Maryland	8
New Jersey	8
New York	5
North Carolina	1933
Ohio	1
Pennsylvania	1
South Carolina	17
South Dakota	1
Virginia	5

FOREIGN COUNTRIES22

ENROLLMENT BY COUNTIES OF NORTH CAROLINA

Alamance	5
Anson	10
Beaufort	1
Bladen	73
Brunswick	6
Buncombe	2
Cabarrus	1
Caldwell	1
Carteret	3
Caswell	1
Catawba	2
Chatham	1
Cherokee	1
Cleveland	2
Columbus	67
Craven	4
Cumberland	286
Davidson	3
Davie	1
Duplin	4
Durham	8
Edgecombe	1
Forsyth	5
Franklin	1
Gaston	5
Guilford	11
Halifax	5
Harnett	5

Haywood	1	Polk	1
Hoke	51	Randolph	8
Iredell	2	Richmond	62
Johnston	2	Robeson	1033
Lee	4	Rockingham	3
Lenior	3	Rowan	3
McDowell	2	Sampson	19
Martin	1	Scotland	113
Mecklenburg	18	Stanly	1
Montgomery	4	Surry	2
Moore	26	Transylvania	1
Nash	4	Union	4
New Hanover	1	Vance	1
Northampton	2	Wake	15
Onslow	9	Warren	2
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Students' names

Sex

Address (campus, local, and/or permanent)

Telephone number

Date and place of birth

Major field of study, class, dates of attendance, degrees, honors received

Most recent previous educational institution attended

Participation in officially recognized activities, including intercollegiate athletics

Name, weight, and height of participants on intercollegiate athletic teams.

A photograph of bare tree branches against a sunset sky. The branches are dark and silhouetted against a sky with warm, orange, and yellow hues. The image is a vertical composition.

Pembroke State Un

Pembroke, N

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